State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
SCIOTO COUNTY

Street Address:
50 West Town Street, Suite 700
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 07-00590
Fac ID: 0773010216
DATE: 2/12/2008

J and H Erectors
Rhett Hadsell
PO Box 60 1406 10th Street
Portsmouth, OH 45662-4620

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 of the Director is final 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 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

Sincerely,

Michael W. Ahern

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

CC: **USEPA** **PCHD**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 2/12/2008**
Terms and Conditions	**Effective Date: 2/12/2008**

FINAL PERMIT TO INSTALL 07-00590

Application Number:	07-00590
Facility ID:	0773010216
Permit Fee:	**$400**
Name of Facility:	J and H Erectors
Person to Contact:	Rhett Hadsell
Address:	PO Box 60 1406 10th Street Portsmouth, OH 45662-4620

Location of proposed air contaminant source(s) [emissions unit(s)]:
1406 Sixth St
Portsmouth, **Ohio**

Description of proposed emissions unit(s):
Portable Crusher used for demolition.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

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

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

the premises of this source at any reasonable time for purposes of making inspections, 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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

Pollutant	Tons Per Year
NOx	21.32
CO	4.60
SO2	1.41
PE(fugitive)	2.45
PM10(stack)	1.52

PM10(fugitive)	1.12
VOC	1.70

Issued: 2/12/2008

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.

Operations, Property, and/or Equipment - (P001) - Eagle 1200-25CC Portable Crusher with a John Deere 275 hp engine and associated water spray nozzles.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Crusher and Material Handling Operations	
OAC rule 3745-31-05(C)	Fugitive PE shall not exceed 2.45 tons per rolling, 12-month period. Fugitive PM10 emissions shall not exceed 1.12 ton per rolling, 12-month period. Visible particulate emissions from any fugitive dust source shall not exceed 10% opacity, as a six-minute average. Best available control measures for the crusher that are sufficient to minimize or eliminate visible emissions of fugitive dust. See sections A.2.a and A.2.b below.
OAC rule 3745-17-07(B)(1)	See section A.2.b below.

OAC rule 3745-17-08 (B)	See section A.2.b below.
40 CFR, Part 60, Subpart OOO	See section A.2.f below.
Diesel Engine	

OAC rule 3745-31-05(C)	Nitrogen oxides (NOx) emissions shall not exceed 8.53 pounds per hour. NOx emissions shall not exceed 21.32 tons per rolling, 12-month period. Carbon monoxide (CO) emissions shall not exceed 1.84 pounds per hour. CO emissions shall not exceed 4.60 tons per rolling, 12-month period. Sulfur dioxide (SO2) emissions shall not exceed 0.57 pound per hour. SO2 emissions shall not exceed 1.41 tons per rolling, 12-month period. Volatile Organic Compound (VOC) emissions shall not exceed 0.68 pound per hour. VOC emissions shall not exceed 1.70 tons per rolling, 12-month period. Particulate matter emissions of less than 10 microns (PM10) shall not exceed 0.61 pound per hour (See section A.2.a below). PM10 emission shall not exceed 1.52 tons per rolling, 12-month period. See sections A.2.a and A.2.e below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions shall not exceed 0.031 lb of PE/mmBtu
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a six minute average, except as provided by rule.
OAC rule 3745-18-06(G)	See section A.2.c below.
OAC rule 3745-21-07(B)	See section A.2.d below.
OAC rule 3745-21-08 (B)	See section A.2.d below.

2. Additional Terms and Conditions

2.a Permit to Install 07-00590 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of establishing requirements that would be equivalent to Best Available Technology (BAT) requirements under OAC rule-3745-31-05(A)(3):

i. watering as necessary for crusher

ii. reduced drop heights from front-end loader

iii synthetic minor limits for diesel engine

The voluntary restrictions above are being defined as equivalent to BAT requirements such that this emissions unit meets the criteria in F.1.a associated with the relocation of a portable source. BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the fugitive particulate emissions (PE) and fugitive particulate matter 10 microns or less in size (PM10) emissions from the screening and material handling operations or NOx, CO, VOC, SO2, and PM10* from the diesel engine since the calculated annual emission rate for PE, PM10, NOx, CO, VOC, and SO2 is less than ten tons per year taking into account the permittee's request for voluntary restrictions equivalent to BAT requirements and synthetic minor restrictions.

*All particulate matter emissions from the diesel engine are PM10.

2.b This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Voluntary restrictions proposed by the permittee under OAC rule 3745-31-05(C) are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).

2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

2.d The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC

rule 3745-21-08(B) by committing to comply with the limitations and restrictions established pursuant to OAC rule 3745-31-05(C) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

2.e This permit establishes the following federally enforceable emission limitations based on an operational restriction (see B.1) for purposes of limiting potential to emit:

I. 21.32 tons of NO_X per rolling, 12-month period

ii. 4.60 tons of CO per rolling, 12-month period

iii. 1.41 tons of SO2 per rolling, 12-month period

iv. 1.70 ton of VOC per rolling, 12-month period

v. 1.52 tons of PM10 per rolling, 12-month period

The unrestricted potential to emit (PTE) from emissions unit P901 and the associated roadways, parking areas, and storage piles does not exceed major source thresholds for Title V or New Source Review. Given the portable nature of this emissions unit, the permittee has requested federally enforceable limitations for the purpose of limiting any combined PTE when this emissions unit (and the associated roadways/parking areas and storage piles) is located at a stationary source or at a source comprised of portable emissions units.

2.f The crusher and associated material handling operations (excluding front-end load to feeder transfer point) is applicable to the requirements of 40 CFR Part 60 Subpart OOO when the crusher is used to crush any non-metallic mineral material* as defined in 60.671. The provisions of 40 CFR Part 60 Subpart OOO do not apply to the crusher and associated material handling operations when used to process material that is not defined as a non-metallic mineral. The voluntary restrictions proposed by the permittee under OAC 3745-31-05(C) are equivalent to or more stringent than any requirements/emissions limitations as

may be applicable under 40 CFR Part 60 Subpart OOO.

**Nonmetallic mineral* means any of the following minerals or any mixture of which the majority is any of the following minerals: (a) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell (b) Sand and Gravel (c) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay (d) Rock Salt (e) Gypsum (f) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate (g) Pumice (h) Gilsonite (i) Talc and Pyrophyllite (j) Boron, including Borax, Kernite, and Colemanite (k) Barite (l) Fluorospar.(m) Feldspar (n) Diatomite (o) Perlite (p) Vermiculite (q) Mica (r) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

2.g The processes and material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

front end loader to hopper
hopper to crusher
crusher
crusher to main conveyor
conveyor to screen
screen
screen to conveyor
conveyor to conveyor

2.h The permittee shall employ the voluntary restrictions outlined in A.2.a for the above-identified processes and material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.i For each processing and material handling operation that is not adequately enclosed, the above-identified control measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material processing/handling operations until further observation confirms that use of the control measures is unnecessary.

2.j The application and enforcement of the provisions of 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

1. The maximum annual operating hours for this emissions unit shall not exceed 5000 hours, based upon a rolling, 12-month summation of the operating hours.

   To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	720
1-2	1440
1-3	2160
1-4	2880
1-5	3600
1-6	4320
1-7	5000
1-8	5000
1-9	5000
1-10	5000
1-11	5000
1-12	5000

   After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

2. The permittee shall combust only #2 fuel oil with a sulfur content of no more than 0.5 weight percent sulfur in this emission unit.

3. The crusher water spray shall be in operation at all times when this emission unit is operating to minimize or eliminate visible emissions from fugitive dust.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. the operating hours for each month; and

   b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling,12-month summation of the operating hours.

   Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

2. 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 emission unit.

3. The permittee shall maintain records of fuel supplier certification to demonstrated compliance with the operational restriction in B.2. Records of fuel supplier certification shall include the following information:

   a. the name of the fuel supplier; and

   b. a statement from the fuel supplier that the fuel is in compliance with the operational restriction in B.2.

4. The permittee shall maintain records that identify any instance of the water spray not operating when the crusher is in operation.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all of the following:

   a. Exceedances of the rolling, 12-month limitation on the hours of operation; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation; and

   b. Exceedances of the sulfur content fuel restriction specified in B.2; and

c. Instances of the water spray not operating when the crusher is in operation

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

2. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit. The reporting requirements indicated in this section shall be initiated by the first instance when this emissions unit operates as an affected facility at a nonmetallic mineral processing plant as specified in 60.670(a)(1).

   a. Construction date (no later than 30 days after such date);

   b. Actual start-up date (within 15 days after such date); and

   c. 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
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and

Portsmouth Local Air Agency
605 Washington St., 3rd Fl
Portsmouth, OH 45662

4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil as specified in B.2 was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

   a. <u>Emission limitation:</u>
   Emissions from the diesel engine shall not exceed the following:

   NOx emissions shall not exceed 8.53 pounds per hour.
   CO emissions shall not exceed 1.84 pounds per hour.
   SO2 emissions shall not exceed 0.57 pound per hour.
   VOC emissions shall not exceed 0.68 pound per hour.
   PM10 emissions shall not exceed 0.61 pound per hour.

   <u>Applicable compliance method:</u>

   The hourly emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with these emission limitations.

   Potential to emit for this emission unit was established by multiplying the appropriate AP-42 from table Table 3.3-1 for each pollutant by the emissions

units maximum rated capacity of 275 hp.

If required, the permittee shall demonstrate compliance in accordance with the following test methods:

for Nox, Method 1 through 4 and 7 of 40 CFR Part 60, Appendix A.
for CO, Method 1 through 4 and 10 of 40 CFR Part 60, Appendix A.
for SO2, Method 1 through 4 and 6 of 40 CFR Part 60, Appendix A.
for PM10, Method 201/201A and 202 of 40 CFR Part 51, Appendix M.
for , Method 1 through 4 and 18, 25 or 25A of 40 CFR Part 60, Appendix A.

b. Emission limitation:
Visible particulate emissions (PE) shall not exceed 10% opacity, as a 6-minute average from the crusher and from associated material handling operations.

Applicable compliance method:
If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

c. Emission limitation:
Emissions from the diesel engine shall not exceed the following:

NOx emissions shall not exceed 21.32 tons per rolling, 12-month period.
CO emissions shall not exceed 4.60 tons per rolling, 12-month period.
SO2 emissions shall not exceed 1.41 tons per rolling, 12-month period.
VOC emissions shall not exceed 1.70 tons per rolling, 12-month period.
PM10 emission shall not exceed 1.52 tons per rolling, 12-month period.

Applicable compliance method:
The annual emission limitations above were established by multiplying the hourly emission limitation for each pollutant by a maximum allowable operating schedule of 5000 hours per rolling, 12-month period, and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 5000 hours per rolling 12-month period operational restriction, compliance with the annual limitation shall be assumed.

d. Emission limitation:
Emissions from the crusher unit (including material load in) shall not exceed the following:

Fugitive PE shall not exceed 2.45 tons per rolling, 12-month period.
Fugitive PM10 emissions shall not exceed 1.12 ton per rolling, 12-month period.

Applicable compliance method:

Fugitive dust emissions associated with crushing operations were established by multiplying the maximum operating rate of 200 tons of product per hour by maximum annual operating hours of 5000 hours per rolling, 12-month period. The result of this calculation was multiplied by the appropriate emission factors derived from AP-42 section 11.19.2.2 Table 11.19.2.2-2 (11/2006) [0.0012 lb PE / ton product or 0.00054 lb PM10 / ton product] and dividing by 2000 lbs/ton. (0.60 ton fugitive PE per year and 0.27 tons fugitive PM10 per year)

Added to these emissions are emissions from the loading of material into the crusher**.** Loading emissions associated with the loading of the crusher were established by multiplying the maximum annual capacity of 1,000,000 tons of material per year by the appropriate emission factor derived from AP-42 section 13.2.4.3 equation 1 (11/2006) utilizing the mean wind speed and moisture content values provided by the applicant [0.0037 lb PE / ton product or 0.0017 lb PM10 / ton product] and dividing by 2000 lbs/ton. (1.85 tons fugitive PE per year and 0.85 tons fugitive PM10 per year)

e. <u>Emission limitation:</u>
Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average from the diesel engine.

<u>Applicable compliance method:</u>
If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

2. In the first instance when this emissions unit operates as an affected facility at a nonmetallic mineral processing plant as specified in 60.670(a)(1), the permittee shall conduct, or have conducted, emission testing for all crushing operations and transfer points of emissions units P001. The emissions testing requirements of 40 CFR Part 60 Subpart OOO do not apply to this emissions unit when operated as part of a stand-alone crushing operation as specified in 60.670(a)(2).

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

F. Miscellaneous Requirements

1. The permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met and following the approval of the director. The director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to

OAC rule 3745-31-03(A)(1)(p)(I):

a. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;

b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and continues to comply with the requirements of the permit;

c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation*;

d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07; and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways and/or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

e. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

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 PTI 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

Emissions Unit ID: **P001**

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.

SIC CODE 1795 SCC CODE 30502510 EMISSIONS UNIT ID P001
EMISSIONS UNIT DESCRIPTION Portable Crusher
DATE INSTALLED

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment		2.45 tpy (fugitive from crusher)		2.45 tpy (fugitive from crusher)
PM_{10}	""	0.61 lbs/hr (engine)	1.52 tpy (engine) 1.12 tpy (fugitive from crusher)	0.61 lbs/hr (engine)	1.52 tpy (engine) 1.12 tpy (fugitive from crusher)
Sulfur Dioxide	""	0.57 lbs/hr	1.41 tpy	0.57 lbs/hr	1.41 tpy
Organic Compounds	""	0.68 lbs/hr	1.70 tpy	0.68 lbs/hr	1.70 tpy
Nitrogen Oxides	""	8.53 lbs/hr	21.32 tpy	8.53 lbs/hr	21.32 tpy
Carbon Monoxide	""	1.84 lbs/hr	4.60 tpy	1.84 lbs/hr	4.60 tpy
Lead					

J and H Erectors **Facility ID: 0773010216**
PTI Application: 07-00590
Issued: 2/12/2008

Emissions Unit ID: **P001**

Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? OOO PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Use of water spray nozzles while the crusher is in operation and watering as necessary.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____