



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
CUYAHOGA 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: 13-04612**

**Fac ID: 1318958457**

**DATE: 3/2/2006**

Independence Recycling Plant 05-001  
Scott Schroeder  
5531 Canal Road  
Valley View, OH 44125

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  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

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

CC: USEPA

CLAA



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**Permit To Install  
Terms and Conditions**

**Issue Date: 3/2/2006  
Effective Date: 3/2/2006**

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**FINAL PERMIT TO INSTALL 13-04612**

Application Number: 13-04612  
Facility ID: 1318958457  
Permit Fee: **\$1250**  
Name of Facility: Independence Recycling Plant 05-001  
Person to Contact: Scott Schroeder  
Address: 5531 Canal Road  
Valley View, OH 44125

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**5531 Canal Road  
Valley View, Ohio**

Description of proposed emissions unit(s):  
**Portable Hazemag 150 TPH rock crusher -- F001.**

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

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## 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 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

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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)**

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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.

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

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

**14. Construction Compliance Certification**

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

**15. Fees**

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

**B. Permit to Install Summary of Allowable Emissions**

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	3.93
PM <sub>10</sub>	1.34
CO	4.84
NO <sub>x</sub>	22.5
SO <sub>x</sub>	1.43

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**1318958457**

**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.

<p>Operations, Property, <u>and/or Equipment</u></p> <p>F001 - Indy Hazemag RDS 150 Ton/hour Portable Horizontal Impact Rock Crushing Plant, model 1013/Q</p>	<p>1.96 mmBTU/hr Diesel drive engine</p>	<p>generator</p>
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0.945 mmBTU/hr Diesel

<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
OAC rule 3745-31-05(A)(3)	1.34 lb/hour and 2.35 tons/year of PM emissions 0.52 lb/hour and 0.91 ton/year of PM <sub>10</sub> emissions
OAC rule 3745-17-07(A)	Visible emissions of fugitive dust shall not exceed ten percent opacity, as a six minute average.
OAC rule 3745-17-11(B)(5)(b)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.c below)
OAC rule 3745-17-07(B)(1)	OAC rule 3745-31-05(A)(3) The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-17-08(B)	OAC rule 3745-17-07(A) The control measures specified by this rule are equivalent to the control measures established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-31-05(A)(3)	0.61 lbs/hour of PM emissions and 1.07 tons/year
OAC rule 3745-17-11(B)(5)(b)	8.64 lbs/hour of NO <sub>x</sub> emissions and 15.2 tons/year

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1.86 lbs/hour of CO emissions  
and  
3.26 tons/year

also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(b) and 3745-17-07(A).

0.57 lb/hour of SOx emissions  
and  
1.0 ton/year

Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(b) and 3745-17-07(A).

0.31 lb/mm Btu of particulate emissions of actual heat input

Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.

0.31 lb/mm Btu of particulate emissions of actual heat input

0.29 lb/hour of PM emissions  
and  
0.51 ton/year

4.17 lbs/hour of NOx emissions  
and  
7.3 tons/year

0.90 lb/hour of CO emissions  
and  
1.58 tons/year

0.27 lb/hour of SOx emissions  
and  
0.47 ton/year

The requirements of this rule

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

- 2.a** The permittee shall employ best available control measures for the crushing operation for the purpose of ensuring compliance with the applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employing water spray bars at the hopper charging point, after crushing operations, and at the end of each conveyor belt to ensure compliance. The permittee shall also minimize the free fall distance of the processed material. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.b** For each phase of the crushing operation that is not adequately enclosed, the 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 applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the crusher until further observation confirms that use of the control measure(s) is unnecessary.
- 2.c** The portable crushing plant that is covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
- Front end load to hopper  
150 ton per hour crusher  
Conveyor belts x 4 points  
Screening Operation
- 2.d** Label this portable crushing plant as 1318958457

## **B. Operational Restrictions**

1. The maximum annual operating hours for this emissions unit shall not exceed 3,500 hours.
2. The permittee shall use only diesel fuel with a sulfur content less than 0.5% by weight in the engine and generator.

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

1. Except as otherwise provided in this section, for concrete recycling operations that are

Emissions Unit ID: **F001**

not adequately enclosed, the permittee shall perform daily inspections of such operations.

2. The above mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the Cleveland Division of Air Quality, modify the above mentioned inspection frequencies if operating experience indicated that less frequent inspections would be sufficient to ensure compliance with the 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 material handling operation, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

5. The permittee shall maintain daily records of the following information:
  - a. the production rate of crushed concrete processed for each day;
  - b. the application of water and/or chemical additives;
  - c. the name of the equipment operator responsible for the treatment; and,
  - d. the general weather conditions for each day, with respect to temperature, precipitation, wind speed and wind direction.
6. For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit. The permittee shall also maintain documentation on the sulfur content

of all fuels received.

7. The permittee shall maintain records of the annual operating hours for this emissions unit.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation reports to the Cleveland Division of Air Quality 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.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

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

1. Compliance with the emission limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
Visible emissions of fugitive dust shall not exceed ten percent opacity, as a six-minute average

Applicable Compliance Method:

Compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

- b. Emission Limitations:  
1.34 pound/hour of PM from crushing operation  
0.52 pound/hour of PM<sub>10</sub> from crushing operation  
Applicable Compliance Method  
Compliance with the hourly PM/PM<sub>10</sub> emission limitation shall be determined using the controlled emission factors for crushing and material handling operations in AP-42, Chapter 11.19.2 (Crushed Stone Processing), Fifth Edition, dated 1/1995. The watering controlled emission factors from AP-42, are 0.0012 for PM and 0.00054 for PM<sub>10</sub> for primary crushing, 0.00014 for PM and 0.000049 for PM<sub>10</sub> for conveyors and 0.0022 for PM and 0.00074 for PM<sub>10</sub> for screening in pounds/ton. The uncontrolled emission factor for hopper loading is 0.000016 for PM<sub>10</sub>, for hopper loading PM emissions, multiply the PM<sub>10</sub> emissions by a factor of 2.1. For hopper loading only multiply by (1-.60) to account for the 60% watering emission control efficiency. These emissions factors shall be multiplied by the maximum process weight rate, in tons/hour, for each operation identified in A.2 and summed.
- c. Emission Limitations:  
2.35 tons/year of PM emissions from crushing operation  
0.91 tons/year of PM<sub>10</sub> emissions from crushing operation  
  
Applicable Compliance Method  
The ton/year limitation was developed by multiplying the lb/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.
- d. Emission Limitation:  
0.31 lb PE/mmBtu and 0.61 lbs/hour of PM emissions from the diesel fired drive engine  
  
Applicable Compliance Method  
Compliance with the hourly PM emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.31 lb PM/mmBtu), by the capacity (1.96 mmBtu/hr). If required, compliance shall be determined using Method 5 of 40 CFR Part 60, Appendix A.
- e. Emission Limitation:

Emissions Unit ID: F001

1.07 ton/year of PM from the diesel fired drive engine

Applicable Compliance Method

The ton/year limitation was developed by multiplying the lb/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- f. Emission Limitation:  
8.64 lbs/hour of NO<sub>x</sub> emissions from the diesel fired drive engine

Applicable Compliance Method

Compliance with the hourly NO<sub>x</sub> emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (4.41 lbs NO<sub>x</sub>/mmBtu), by the capacity (1.96 mmBtu/hr).

- g. Emission Limitation:  
15.2 tons/year of NO<sub>x</sub> emissions from the diesel fired drive engine

Applicable Compliance Method

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- h. Emission Limitation:  
1.86 lbs/hour of CO emissions from the diesel fired drive engine

Applicable Compliance Method

Compliance with the hourly CO emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.95 lb CO/mmBtu), by the capacity (1.96 mmBtu/hr).

- i. Emission Limitation:  
3.26 tons/year of CO emissions from the diesel fired drive engine

Applicable Compliance Method

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- j. Emission Limitation:  
0.57 lb/hour of SO<sub>2</sub> emissions from the diesel fired drive engine

**Applicable Compliance Method**

Compliance with the hourly CO emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.29 lb SO<sub>2</sub>/mmBtu) by the capacity (1.96 mmBtu/hr).

- k. Emission Limitation:  
0.96 tons/year of SO<sub>2</sub> emissions from the diesel fired drive engine

**Applicable Compliance Method**

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- l. Emission Limitation:  
twenty percent opacity, as a six-minute average, except as provided by rule (from the diesel fired engine)

Emissions Unit ID: F001

Applicable Compliance Method:

Compliance shall be determined using USEPA Method 9 of 40 CFR Part 60, Appendix A.

m. Emission Limitation:

0.31 lb PE/mmBtu and 0.29 lb/hour of PM emissions from the diesel fired generator

Applicable Compliance Method

Compliance with the hourly PM emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.31 lb PM/mmBtu), by the capacity (0.945 mmBtu/hr). If required, compliance shall be determined using Method 5 of 40 CFR Part 60, Appendix A.

n. Emission Limitation:

0.51 ton/year of PM from the diesel fired generator

Applicable Compliance Method

The ton/year limitation was developed by multiplying the lb/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

o. Emission Limitation:

4.17 lbs/hour of NO<sub>x</sub> emissions from the diesel fired generator

Applicable Compliance Method

Compliance with the hourly NO<sub>x</sub> emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (4.41 lbs NO<sub>x</sub>/mmBtu), by the capacity (0.945 mmBtu/hr).

p. Emission Limitation:

7.3 tons/year of NO<sub>x</sub> emissions from the diesel fired generator

Applicable Compliance Method

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly

limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- q. Emission Limitation:  
0.90 lb/hour of CO emissions from the diesel fired generator

**Applicable Compliance Method**

Compliance with the hourly CO emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.95 lb CO/mmBtu), by the capacity (0.945 mmBtu/hr).

- r. Emission Limitation:  
1.58 tons/year of CO emissions from the diesel fired generator

**Applicable Compliance Method**

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

- s. Emission Limitation:  
0.27 lb/hour of SO<sub>2</sub> emissions from the diesel fired generator

**Applicable Compliance Method**

Compliance with the hourly CO emission limitation shall be determined by multiplying the emission factor taken from the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 3.3, Table 3.3-1 (0.29 lb SO<sub>2</sub>/mmBtu) by the capacity (0.945 mmBtu/hr).

- t. Emission Limitation:  
0.47 tons/year of SO<sub>2</sub> emissions from the diesel fired generator

**Applicable Compliance Method**

The tons/year limitations were developed by multiplying the pound/hour by the maximum operating schedule of 3500 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation as long as they do not exceed 3500 hours annually.

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**PTI Application: 13 04612**  
**Issue**

**Facility ID: 1318958457**

**Emissions Unit ID: F001**

- u. Emission Limitation:  
twenty percent opacity, as a six-minute average, except as provided by rule (from the diesel fired generator)

Applicable Compliance Method:  
Compliance shall be determined using USEPA Method 9 of 40 CFR Part 60, Appendix A.

## **F. Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable emissions unit shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:
  - a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
    - i. the portable emissions unit is equipped with the best available technology for such portable emissions unit;
    - ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO) or registration status;
    - iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Cleveland Division of Air Quality and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and
    - iv. in the Cleveland Division of Air Quality's and the appropriate field office's (having jurisdiction over the new site) judgement, the proposed site is acceptable under OAC rule 3745-15-07.
  - b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:

- i. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
  - ii. the portable emissions unit is equipped with best available technology;
  - iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;
  - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
  - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
  - vi. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
  - vii. the portable emissions unit owner has provided Ohio EPA with 15 days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for the Cleveland Division of Air Quality and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable emissions unit must file a " Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Cleveland Division of Air Quality and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the Cleveland Division of Air Quality, and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.