☒ **Synthetic Minor Determination and/or** ☐ **Netting Determination**

Permit To Install **03-16141**

A. Source Description

This permit to install is for the installation of two 537 HP (3.67 mmBtu/hr) diesel fired generators, aggregate processing operations and associated storage piles.

B. Facility Emissions and Attainment Status

This facility is currently a non Title V facility and is located in an area classified as attainment for all pollutants.

C. Source Emissions

The facility has requested a synthetic minor for the two generators (P001 and P002) to lower the potential emissions of nitrogen oxide and carbon monoxide per rolling 12-month period to the following based the fuel usage restriction in section B.2. of this permit to install:

Emissions Unit	Annual Fuel Usage gal/yr	NOx tons/yr	CO tons/yr
P001	75,400	12.39	16.58
P002	75,400	12.39	16.58

D. Conclusion

Without federally enforceable CO emissions restrictions, P001 and P002 would not be below the major source threshold for Title V. The permittee has requested federally enforceable restriction on CO to avoid Title V applicability. In addition, the permittee has also requested federally enforceable restrictions on NOx for purposes of Ohio EPA's dispersion modeling thresholds.

Street Address:
State of Ohio Environmental Protection Agency
Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329
Mailing Address:
Lazarus Gov.
Center

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
SANDUSKY COUNTY
Application No:
03-16141
DATE: 6/22/2004

Area Rock, LLC
Shara Dine
424 Newmans Cardington Road East
Marion, OH 43302

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **$800** will be due. Please do not submit any payment now.

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

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

CC: USEPA **NWDO** **Toledo Metro. Area Council of Gov.** **MI**

SANDUSKY COUNTY

PUBLIC NOTICE
OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA)
ISSUANCE OF DRAFT PERMITS TO INSTALL AND A DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT TO AREA ROCK, LLC

Public notice is hereby given that the OEPA - Division of Surface Water (DSW) has issued, on June 22,2004 a draft National Pollutant Discharge Elimination System (NPDES) permit (2IJ00097) for the discharge of wastewater from quarry dewatering, stormwater sedimentation, and sanitary wastewater treatment at the proposed Area Rock, LLC facility. Public notice is also given that OEPA-DSW has issued, on June 22, 2004 a draft Permit to Install (PTI) (03-16211) for the construction of the proposed systems associated with quarry dewatering, stormwater sedimentation, and sanitary wastewater treatment.

Public notice is also hereby given that the OEPA - Division of Air Pollution Control (DAPC) has issued, on June 22, 2004, a draft PTI(03-16141) to Area Rock, LLC for aggregate processing operations including storage piles and electric generators.

The aggregate processing operations and the systems associated with quarry dewatering, stormwater sedimentation, and sanitary wastewater treatment are proposed to be located at 873 East Main Street, Woodville, Ohio (Sandusky County). Treated wastewaters are proposed to be discharged at the same location. The proposed wastewater discharges are to an unnamed tributary to Sugar Creek and subsequently the Portage River.

The contents of the NPDES permit and PTI applications for construction of the de-watering system indicate an exclusion from various portions of the antidegradation review and information submittal requirements applies as outlined by section 3745-1-05(D)(1). This provision excludes the need for the submittal and subsequent review of technical alternatives and social and economic issues related to the degradation. Other rule provisions, however, including public participation and appropriate intergovernmental coordination were required and considered prior to reaching this decision.

Copies of the draft PTI and NPDES permits are available for review at OEPA's Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio, (419) 352-8461.

Written comments on the draft permits must be received by OEPA at the close of the business 30 days from the date this notice published. Comments received after this date will not be considered to be a part of the official record. Written comments may be submitted to: Jan Tredway of Ohio EPA's Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

DRAFT PERMIT TO INSTALL 03-16141

Application Number:	03-16141
APS Premise Number:	0372000243
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Area Rock, LLC
Person to Contact:	Shara Dine
Address:	424 Newmans Cardington Road East Marion, OH 43302

Location of proposed air contaminant source(s) [emissions unit(s)]:
873 East Main Street
Woodville, **Ohio**

Description of proposed emissions unit(s):
Installation of two 537 HP diesel fired generators.

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

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 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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be <u>obtained before</u> the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule

3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(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	24.78
CO	33.16
PE	3.30
PE (fugitive)	35.58

Emissions Unit ID: **F003**

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F003 - 500 tpy aggregate processing plant consisting of crushers, screens, and conveyors	OAC rule 3745-31-05(A)(3)	34.29 tons particulate emissions (PE)/yr (fugitive) Use of Best Available Control Measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.b through A.2.d) See A.2.g
	40 CFR, Part 60, Subpart OOO	Visible Emission Restrictions (see A.2.h)
	OAC rule 3745-17-08(B)	See A.2.e
	OAC rule 3745-17-07(B)	See A.2.f

2. Additional Terms and Conditions

2.a The permittee shall employ best available technology (BAT) on this emissions unit. BAT has been determined to be the use of the control measures and visible emissions restrictions outlined in section A.2.b. and A.2.f.

2.b The permittee shall employ the following best available control measures for aggregate processing 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:

aggregate processing operation	control measure(s)
Loading/unloading	reduced drop height
transfer points	wet suppression
primary, secondary, tertiary crushing	water sprays
primary, secondary, tertiary screens	wet suppression

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

2.c For each aggregate processing 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 measures(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures(s) shall continue during the operation of the aggregate processing operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

2.e In accordance with OAC rule 3745-17-08(B), the permittee shall employ the reasonably available control measure (RACM) of reduced drop height for loading of the primary (grizzly) feeder with dump truck.

The requirements specified by this rule for all aggregate processing operations other than loading of the primary (grizzly) feeder are less stringent than the best available control measures established pursuant to OAC rule 3745-31-05(A)(3).

2.f Visible particulate emissions shall not exceed 20% opacity as a three-minute average from truck unloading to the primary (grizzly) feeder.

The visible particulate emission limitations for all aggregate processing operation(s) other than truck unloading to the primary (grizzly) feeder are less stringent than the visible

emission restrictions established pursuant to 40 CFR Part 60, Subpart OOO.

2.g The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B), OAC rule 3745-17-07(B), and 40 CFR Part 60, Subpart OOO.

2.h Visible particulate emissions and control requirements shall comply with the following:

Emissions Point (Company ID)	Equipment Type	Control Measures	Opacity Limit as a six-minute average, unless otherwise specified	Regulatory Basis for limit
truck unloading to primary (grizzly) feeder	transfer point		20% as a 3-minute average	OAC rule 3745-17-07(B)
grizzly feeder to primary jaw crusher	transfer point		15%	NSPS, Subpart OOO
primary jaw crusher	crusher	water spray	15%	NSPS, Subpart OOO
primary jaw crusher to conveyor C2	transfer point	water spray	15%	NSPS, Subpart OOO
grizzly feeder to conveyor C1	transfer point		10%	NSPS, Subpart OOO
C1 conveyor to C2 conveyor	transfer point		10%	NSPS, Subpart OOO
C2 conveyor to primary Scalper screen	transfer point		10%	NSPS, Subpart OOO
primary scalper screen	screen		10%	NSPS, Subpart OOO
scalper screen to conveyor C4	transfer point		10%	NSPS, Subpart OOO
conveyor C2 to conveyor C3	transfer point		10%	NSPS, Subpart OOO
C3conveyor to 7x16 primary scalping screen	transfer point		10%	NSPS, Subpart OOO
7x16 primary scalping screen	screen		10%	NSPS, Subpart OOO
7x16 primary scalping screen to C5 conveyor	transfer point		10%	NSPS, Subpart OOO
C5conveyor to C6 conveyor	transfer point		10%	NSPS, Subpart OOO
7X16 primary scalping screen to 40 ton surge bin	transfer point		10%	NSPS, Subpart OOO

40 ton surge bin to secondary cone crusher	transfer point		15%	NSPS, Subpart OOO
secondary crusher	crusher	water spray	15%	NSPS, Subpart OOO
secondary crusher to conveyor C8	transfer point	water spray	15%	NSPS, Subpart OOO
7x16 primary scalping screen to conveyor C8	transfer point		10%	NSPS, Subpart OOO
front-end loader to conveyor C9	transfer point		20% as a 3-minute average	OAC rule 3745-17-07(B)
conveyor C9 to conveyor C10	transfer point		10%	NSPS, Subpart OOO
front-end loader to conveyor C11	transfer point		20% as a 3-minute average	OAC rule 3745-17-07(B)
conveyor C11 to conveyor C12	transfer point		10%	NSPS, Subpart OOO
conveyor C12 to secondary 7x20 scalping screen	transfer point		10%	NSPS, Subpart OOO
secondary screen	screen		10%	NSPS, Subpart OOO
secondary screen to conveyor C13	transfer point		10%	NSPS, Subpart OOO
conveyor C13 to conveyor C14	transfer point		10%	NSPS, Subpart OOO
7x20 screen to conveyor C15	transfer point		10%	NSPS, Subpart OOO
conveyor C15 to 40 ton surge bin	transfer point		10%	NSPS, Subpart OOO
surge bin to conveyor C18	transfer point		10%	NSPS, Subpart OOO
conveyor C18 to secondary crusher	transfer point		15%	NSPS, Subpart OOO
secondary crusher	crusher	water spray	15%	NSPS, Subpart OOO
secondary crusher to conveyor C19	transfer point	water spray	15%	NSPS, Subpart OOO
conveyor C19 to conveyor C20	transfer point		10%	NSPS, Subpart OOO
conveyor C20 to conveyor C12	transfer point		10%	NSPS, Subpart OOO
7x20 screen to conveyor C16	transfer point		10%	NSPS, Subpart OOO
conveyor C16 to conveyor C17	transfer point		10%	NSPS, Subpart OOO

conveyor C17 to twin wash screens	transfer point		10%	NSPS, Subpart OOO
7x20 screen to conveyor C21	transfer point		10%	NSPS, Subpart OOO
conveyor C21 to twin wash screens	transfer point		10%	NSPS, Subpart OOO
twin wash screens	screen	wet screening operation	no visible emissions	NSPS, Subpart OOO
twin wash screens to conveyor C22	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
conveyor C22 to conveyor C23	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
twin wash screens to conveyor C24	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
conveyor C24 to conveyor C25	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
twin wash screens to conveyor C26	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
conveyor C26 to conveyor C27	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
twin wash screens to twin sand screw	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
twin sand screw to conveyor C28	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO
conveyor C28 to conveyor C29	transfer point	subsequent operation after wet screening	no visible emissions	NSPS, Subpart OOO

2.i 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 for 40 CFR Part 60 are also federally enforceable.

B. Operational Restrictions

1. The maximum annual material throughput for this emissions unit shall not exceed 1,000,000 tons. This restriction is based on the material throughput of the primary crusher.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of material processed through the feeder of this emissions unit

2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

Material Handling Operations	Minimum Inspection Frequency
All	Once During Each Day of Operation

3. The above-mentioned inspections shall be performed during representative, normal operating conditions.

4. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

5. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

   c. the dates the control measure(s) was (were) implemented; and

   d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

   The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any exceedances of

the annual material throughput limitation, as well as the corrective actions that have been taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year.

2. The permittee shall submit deviation reports in accordance with the general terms and conditions of this permit, 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.

3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:

   a. for a crusher:

      i. the rated capacity in tons per hour of the existing facility being replaced, and

      ii. the rated capacity in tons per hour of the replacement equipment.

   b. for a screening operation:

      i. the total surface area of the top screen of the existing screening operation being replaced and

      ii. the total surface area of the top screen of the replacement screening operation.

   c. for a conveyor belt:

      i. the width of the existing belt being replaced, and

      ii. the width of the replacement conveyor belt.

   d. for a storage bin;

      i. the rated capacity in tons of the existing storage bin being replaced, and

      ii. the rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the equipment replacement.

5. 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:

   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, Ohio 43216-1049

   and:

   Ohio EPA, Northwest District Office
   347 North Dunbridge Road
   Bowling Green, Ohio 43402

E. Testing Requirements

1. The permittee shall conduct, or have conducted, visible emissions testing for all fugitive emissions points of emissions unit F003, that are subject to 40 CFR Part 60, Subpart OOO.

   In accordance with 40 CFR Part 60, Subpart OOO, Section 60.675(h)(1), visible emissions testing is not required for wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin**.**

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

3. The emissions testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emissions testing shall be conducted to demonstrate compliance with the allowable visible emissions for particulate emissions.

4. The test methods and procedures outlined in 40 CFR 60.675 shall be employed to demonstrate compliance with the allowable emission limitations.

5. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.

6. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

7. Compliance with the emission limitations in section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

   a. Emission Limitations**:**
   34.29 tons fugitive PE/yr

   Applicable Compliance Method:
   The emission limitation was developed by multiplying the annual maximum material throughput of 1,000,000 tons of material by emissions factors in AP-42 Chapter 11.19.2-2 (06/03). Therefore, provided compliance is shown with the annual throughput limitation and the requirement to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

   Emission Limitation:
   20% opacity as a three-minute average for truck unloading and from front loader to conveyors

   Applicable Compliance Method:
   If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix of Test Methods" in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources) as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Unit ID: **F003**

Emission Limitation:
The permittee shall not 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% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen up to the wash screens any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: If required compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

Emission Limitation: No visible emissions for transfer points following the wash screens

Applicable Compliance Method: If required compliance shall be demonstrated using Method 22 of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

None

Area I
PTI A Emissions Unit ID: **F004**
Issued: To be entered upon final issuance

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	Applicable Rules/Requirements
F004 -storage piles	OAC rule 3745-31-05(A)(3)
load-in and load-out of storage piles (see A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-07(B)
	OAC rule 3745-17-08(B)
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-07(B)
	OAC rule 3745-17-08(B)

Applicable Emissions Limitations/Control Measures
1.29 tons particulate emissions (PE)/yr (fugitive)
No visible particulate emissions for a period of time not to exceed one minute during any 60-minute observation period.
Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
See A.2.g
See A.2.g
No visible particulate emissions for a period of time not to exceed one minute during any 60-minute observation period.
Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
See A.2.g
See A.2.g

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:

Product Storage Piles

2.b The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to minimizing drop height, confining activity to the leeward side of the pile and applying water, as necessary, 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 measures shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.

2.d The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to disturbed pile area reductions, reduction in disturbance frequency, spillage cleanup, and wet suppression (watering). Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The above-mentioned control measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

2.f 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.

2.g The requirements specified by this rule are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

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:

Storage Pile Identification	Minimum Load-In Inspection Frequency
All Storage Piles	Once during each day of operation

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:

Storage Pile identification	Minimum Load-Out Inspection Frequency
All Storage Piles	Once during each day of operation

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

Storage Pile Identification	Minimum Wind Erosion Inspection Frequency
All Storage Piles	Once during each day of operation

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

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the

surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

7. 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 7.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.

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

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

   a. Emission Limitation: 1.29 tons fugitive PE/yr

      Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,000,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 4.10 acres as listed in the permit application

The emission rate was determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,000,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.35 ton fugitive PE/yr)

ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-out rate of 1,000,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.35 ton fugitive PE/yr)

iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 4.1 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [15.87 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.59 ton PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: If required, 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.

c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: If required, 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

Area I
PTI A Emissions Unit ID: **P001**
Issued: To be entered upon final issuance

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	Applicable Rules/Requirements	
P001 - 537 HP (3.67 mmBtu/hr) diesel fired generator	OAC rule 3745-31-05(A)(3)	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B) OAC rule 3745-21-07(B)
	OAC rule 3745-31-05(C)	
	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(5)(a) OAC rule 3745-18-06(G)	

Applicable Emissions Limitations/Control Measures
1.65 ton particulate emissions/yr
8.55 lbs Nitrogen Oxide (NOx)/hr
11.45 lbs Carbon Monoxide (CO)/hr
Visible particulate emissions shall not exceed 10 percent opacity as a 6-minute average, except during start-up and shutdown
See A.2.a
See B.1
12.39 tons NOx per rolling, 12-month period (See A.2.b)
16.58 tons CO per rolling, 12-month period (See A.2.b)
See A.2.c
0.310 lb PE/mmBtu
See A.2.d.
See A.2.e
See A.2.e
See A.2.e

2. Additional Terms and Conditions

2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (C) and OAC rule 3745-17-11(B)(5)(a).

2.b The emissions of CO from this emissions unit shall not exceed 16.58 tons per rolling 12-month period based on a fuel usage restriction (See section B.2.).

The 16.58 tons of CO per year is a federally enforceable limitation established for purposes of limiting potential to emit to avoid Title V applicability.

The emissions of NOx from this emissions unit shall not exceed 12.39 tons per rolling 12-month period based on a fuel usage restriction (See section B.2.).

The 12.39 tons of NOx per year is a federally enforceable limitation established for purposes of limiting potential to emit.

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

2.e The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) and 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 best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. The permittee shall combust only distillate fuel oil in this emissions unit.

The oil combusted in this emissions unit shall only be distillate oil (fuel oil numbers 1 or 2, as

defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils"). The sulfur content of the distillate oil shall contain no more than 0.5 weight percent sulfur.

2. The maximum annual fuel usage for emissions unit P001 shall not exceed 75,400 gallons per year, based upon a rolling, 12-month summation of the gallon usage. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Fuel Usage
1	6,283
1-2	12,566
1-3	18,850
1-4	25,133
1-5	31,416
1-6	37,700
1-7	43,983
1-8	50,266
1-9	56,550
1-10	62,833
1-11	69,116
1-12	75,400

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

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than distillate oil the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in section B.1. Records of fuel supplier certification shall include the following information:

i. the name of the oil supplier; and

ii. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in B.1 above.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. fuel usage each month, in gallons;

b. during the first 12 calendar months of operation, the cumulative fuel usage, in gallons;

c. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the fuel usage, in gallons;

d. the calculated monthly emission rate for NO_x using the following equation:

NO_x emissions in tons = (fuel usage) x (company supplied emission factor) x (heat content of fuel used) (1 ton/2000 lbs) = (C.3.a) x (2.33 lbs NO_x/mmBtu) x (0.141 mmBtu/gal) x (1/2000 lbs)

e. the calculated monthly emission rate for CO using the following equation:
CO emissions in tons = (fuel usage) x (company supplied emission factor) x (heat content of fuel used) (1 ton/2000 lbs) = (C.3.a) x (3.12 lbs CO/mmBtu) x (0.141 mmBtu/gal) x (1/2000 lbs)

f. beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation of the emission rate for NO_x, in tons.

g. beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation of the emission rate for CO in tons.

D. Reporting Requirements

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

a. the rolling, 12-month gallon fuel usage limitation;

b. the rolling, 12-month NO_x emissions;

c. the rolling, 12-month CO emissions;

d. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative gallons of fuel.

d. sulfur content fuel restriction described in condition B.1.

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 distillate oil 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 emission limitations in the terms and conditions of this permit shall be determined in accordance with the following methods:

a. **Emission Limitation:**
8.55 lbs NO_x/hr and 12.39 tons NO_x per rolling, 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 2.33 lb NO_x/mmBtu and a maximum heat input of 3.67 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 7 of 40 CFR Part 60, Appendix A.

Compliance with the NO_x per rolling, 12-month period shall be demonstrated by the recordkeeping requirements in section C.3.

b. **Emission Limitation:**
11.45 lbs CO/hr and 16.58 tons CO per rolling, 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 3.12 lb CO/mmBtuand a maximum heat input of 3.67 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 10 of 40 CFR Part 60, Appendix A.

Compliance with the CO per rolling, 12-month period shall be demonstrated by the recordkeeping requirements in section C.3.

c. **Emission Limitation:**
0.310 lb PE/mmBtu and 1.65 tons PE/yr

Applicable Compliance Method:
The lbs PE/mmBtu emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was determined using AP-42, Chapter 3.3, Table 3.3-1 (revised 10/96).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 0.310 lb PE/mmBtu, a heat content of 0.141 mmBtu/gal, a maximum annual gallon usage of 75,400 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 75,400 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

d. **Emission Limitation:**
Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None

Area I
PTI A Emissions Unit ID: **P002**
Issued: To be entered upon final issuance

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	Applicable Rules/Requirements	
		OAC rule 3745-18-06(G)
		OAC rule 3745-23-06(B)
P002 - 537 HP (3.67 mmBtu/hr) diesel fired generator	OAC rule 3745-31-05(A)(3)	OAC rule 3745-21-08(B)
		OAC rule 3745-21-07(B)
	OAC rule 3745-31-05(C)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11(B)(5)(a)	

Applicable Emissions Limitations/Control Measures
1.65 ton particulate emissions/yr
8.55 lbs Nitrogen Oxide (NOx)/hr
11.45 lbs Carbon Monoxide (CO)/hr
Visible particulate emissions shall not exceed 10 percent opacity as a 6-minute average, except during start-up and shutdown
See A.2.a
See B.1
12.39 tons NOx per rolling, 12-month period (See A.2.b)
16.58 tons CO per rolling, 12-month period (See A.2.b)
See A.2.c
0.310 lb PE/mmBtu
See A.2.d.
See A.2.e
See A.2.e
See A.2.e

2. Additional Terms and Conditions

2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (C) and OAC rule 3745-17-11(B)(5)(a).

2.b The emissions of CO from this emissions unit shall not exceed 16.58 tons per rolling 12-month period based on a fuel usage restriction (See section B.2.).

The 16.58 tons of CO per year is a federally enforceable limitation established for purposes of limiting potential to emit to avoid Title V applicability.

The emissions of NOx from this emissions unit shall not exceed 12.39 tons per rolling 12-month period based on a fuel usage restriction (See section B.2.).

The 12.39 tons of NOx per year is a federally enforceable limitation established for purposes of limiting potential to emit.

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

2.e The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) and 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 best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. The permittee shall combust only distillate fuel oil in this emissions unit.

The oil combusted in this emissions unit shall only be distillate oil (fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils"). The sulfur content of the distillate oil shall contain no more than 0.5 weight percent sulfur.

2. The maximum annual fuel usage for emissions unit P002 shall not exceed 75,400 gallons per year, based upon a rolling, 12-month summation of the gallon usage. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Fuel Usage
1	6,283
1-2	12,566
1-3	18,850
1-4	25,133
1-5	31,416
1-6	37,700
1-7	43,983
1-8	50,266
1-9	56,550
1-10	62,833
1-11	69,116
1-12	75,400

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

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than distillate oil the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in section B.1. Records of fuel supplier certification shall include the following information:

   i. the name of the oil supplier; and

   ii. a statement from the oil supplier that the oil complies with the specifications under the

definition of distillate oil in B.1 above.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. fuel usage each month, in gallons;

   b. during the first 12 calendar months of operation, the cumulative fuel usage, in gallons;

   c. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the fuel usage, in gallons;

   d. the calculated monthly emission rate for NO_x using the following equation:

      NO_x emissions in tons = (fuel usage) x (company supplied emission factor) x (heat content of fuel used) (1 ton/2000 lbs) = (C.3.a) x (2.33 lbs NO_x/mmBtu) x (0.141 mmBtu/gal) x (1/2000 lbs)

   e. the calculated monthly emission rate for CO using the following equation:
      CO emissions in tons = (fuel usage) x (company supplied emission factor) x (heat content of fuel used) (1 ton/2000 lbs) = (C.3.a) x (3.12 lbs CO/mmBtu) x (0.141 mmBtu/gal) x (1/2000 lbs)

   f. beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation of the emission rate for NO_x, in tons.

   g. beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation of the emission rate for CO in tons.

D. Reporting Requirements

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

   a. the rolling, 12-month gallon fuel usage limitation;

   b. the rolling, 12-month NO_x emissions;

   c. the rolling, 12-month CO emissions;

   d. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative gallons of fuel.

d. sulfur content fuel restriction described in condition B.1.

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 distillate oil 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 emission limitations in the terms and conditions of this permit shall be determined in accordance with the following methods:

a. **Emission Limitation:**
8.55 lbs NO_x/hr and 12.39 tons NO_x per rolling, 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 2.33 lb NO_x/mmBtu and a maximum heat input of 3.67 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 7 of 40 CFR Part 60, Appendix A.

Compliance with the NO_x per rolling, 12-month period shall be demonstrated by the recordkeeping requirements in section C.3.

b. **Emission Limitation:**
11.45 lbs CO/hr and 16.58 tons CO per rolling, 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 3.12 lb CO/mmBtuand a maximum heat input of 3.67 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 10 of 40 CFR Part 60, Appendix A.

Compliance with the CO per rolling, 12-month period shall be demonstrated by the recordkeeping requirements in section C.3.

c. **Emission Limitation:**
0.310 lb PE/mmBtu and 1.65 tons PE/yr

Applicable Compliance Method:
The lbs PE/mmBtu emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was determined using AP-42, Chapter 3.3, Table 3.3-1 (revised 10/96).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 0.310 lb PE/mmBtu, a heat content of 0.141 mmBtu/gal, a maximum annual gallon usage of 75,400 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 75,400 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

d. **Emission Limitation:**
Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None