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

Permit To Install: **02-22285**

A. Source Description

Weaver Ridge Wood is a rough cut lumber mill located in Holmes County. SIC 2421 This PTI is to permit six stationary diesel engines and to establish federally enforceable limits to reduced the nitrogen oxide emissions below the Title V permitting thresold.

B. Facility Emissions and Attainment Status

The facility is located in Holmes County, which is attainment for all criteria pollutants. The facility emits products of combustion from six stationary diesel engines and particulate emissions from saw mill operations.

C. Source Emissions

P003 is an 80 HP stationary diesel engine installed September 2006. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

P004 is a 170 HP stationary diesel engine installed November 2005. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

P005 is a 177 HP stationary diesel engine installed January 2000. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

P006 is a 250 HP stationary diesel engine installed June 2003. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

P007 is a 250 HP stationary diesel engine installed November 2005. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

P008 is a 250 HP stationary diesel engine installed March 1996. The facility does not have manufacturer emission factors. AP-42 emission factors were used.

The potential to emit for this facility:

P003	P004	P005	P006	P007	P008	total NOx (tpy)
10.86	23.08	24.03	33.95	33.95	33.95	159.82

The potential to emit including the federally enforceable limit of 4000 hours per 12-months per emissions unit in this PTI:

P003	P004	P005	P006	P007	P008	total NOx (tpy)
4.96	10.54	10.97	15.5	15.5	15.5	72.97

D. Conclusion

The permit includes federally enforceable limits on NOx emissions by limiting operating hours, as a rolling, 12-month summation and the associated monthly record keeping and quarterly reporting. The limits in this PTI are sufficient to reduce the facility's PTE for NOx below the Title V threshold.

State of Ohio Environmental Protection Agency

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
HOLMES COUNTY

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Application No: 02-22285
Fac ID: 0238000137

DATE: 4/5/2007

Weaver Ridge Wood, LLC
Nelson Miller
4066 County Road 168
Millersburg, OH 44654

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, 43216-1049.

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 **$2400** 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.

Sincerely,

Michael W. Ahern

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

CC: **USEPA** **NEDO**

HOLMES COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **02-22285** FOR AN AIR CONTAMINANT SOURCE FOR
Weaver Ridge Wood, LLC

On 4/5/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Weaver Ridge Wood, LLC**, located at **4066 County Road 168, Millersburg**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-22285:

6 diesel fired engines.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087 [(330)425-9171]

DRAFT PERMIT TO INSTALL 02-22285

Application Number:	02-22285
Facility ID:	0238000137
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Weaver Ridge Wood, LLC
Person to Contact:	Nelson Miller
Address:	4066 County Road 168 Millersburg, OH 44654

Location of proposed air contaminant source(s) [emissions unit(s)]:
4066 County Road 168
Millersburg, Ohio

Description of proposed emissions unit(s):
6 diesel fired engines.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections,

conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental

Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available

Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

Pollutant	Tons Per Year
NOx	72.97
CO	15.72
SOx	4.84
PM-10	5.18
VOC	5.92

Emissions Unit ID: **P003**

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 -(P003) - 80 HP stationary diesel engine installed September, 2006

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
OAC rule 3745-31-05(C)	Nitrogen oxides (NOx) emissions shall not exceed 4.96 tons per rolling, 12-month period. See section B.1 below.

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

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

Month(s)	Maximum Allowable Cumulative Operating Hours
1	667

1-2	667
1-3	1000
1-4	1333
1-5	1666
1-6	1999
1-7	2332
1-8	2665
1-9	2998
1-10	3331
1-11	3664
1-12	4000

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

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records of the operating hours for this emissions unit.

2. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

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

D. Reporting Requirements

1. The permittee shall submit a quarterly report that includes:

   a. the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction; and

   b. for the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation and a statement of the cumulative hour restriction.

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

permit.

E. Testing Requirements

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

Issued: To be entered upon final issuance

a. Emission Limitation:

NOx emissions shall not exceed 4.96 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (80 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

b. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

c. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.

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 - (P004) - 170 HP stationary diesel engine installed November, 2005

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 5.27 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 1.14 lbs/hr. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). See sections A.2.a and B.1 below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
OAC rule 3745-31-05(C)	NOx emissions shall not exceed 10.54 tons per rolling, 12-month period. CO emissions shall not exceed 2.27 tons per rolling, 12-month period. See section B.2 below.

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the fuel sulfur content restriction in section B.1.

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent, by weight, for combustion in this emissions unit.

2. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

   This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel/number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall maintain daily records of the operating hours for this emissions unit.

4. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit a quarterly report that includes the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction.

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

E. Testing Requirements

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

   a. Emission Limitation:

      NOx emissions shall not exceed 5.27 lbs/hr.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (170 hp).

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

   b. Emission Limitation:

      NOx emissions shall not exceed 10.54 tpy.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (170 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

   c. Emission Limitation:

CO emissions shall not exceed 1.14 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (170 hp).

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

d. Emission Limitation:

CO emissions shall not exceed 2.27 tpy.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (170 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

e. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

f. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

Issued: To be entered upon final issuance

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.

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 - (P005) - 177 HP stationary diesel engine

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 5.49 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 1.18 lbs/hr. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). See sections A.2.a and B.1 below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
OAC rule 3745-31-05(C)	NOx emissions shall not exceed 10.97 tons per rolling, 12-month period. CO emissions shall not exceed 2.36 tons per rolling, 12-month period. See section B.2 below.

Emissions Unit ID: **P005**

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emission limitations in section A.1 and the fuel sulfur content restriction in section B.1.

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent, by weight, for combustion in this emissions unit.

2. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

   This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel/number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall maintain daily records of the operating hours for this emissions unit.

4. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit a quarterly report that includes the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction.

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

E. Testing Requirements

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

   a. Emission Limitation:

      NOx emissions shall not exceed 5.49 lbs/hr.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (177 hp).

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

   b. Emission Limitation:

      NOx emissions shall not exceed 10.97 tpy.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (177 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

   c. Emission Limitation:

CO emissions shall not exceed 1.18 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (177 hp).

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

d. Emission Limitation:

CO emissions shall not exceed 2.36 tpy.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (177 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

e. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

f. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Issued: To be entered upon final issuance

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.

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 - (P006) - 250 HP stationary diesel engine

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 7.75 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 1.67 lbs/hr. Sulfur dioxide (SO2) emissions shall not exceed 0.51 lb/hr. Particulate emissions (PE)/particulate matter less than 10 microns in diameter (PM10) shall not exceed 0.55 lb/hr. Organic compounds (OC) emissions shall not exceed 0.63 lb/hr. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). See sections A.2.a and B.1 below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

OAC rule 3745-31-05(C)	NOx emissions shall not exceed 15.50 tons per rolling, 12-month period. CO emissions shall not exceed 3.34 tons per rolling, 12-month period. SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period. PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period. OC emissions shall not exceed 1.26 tons per rolling, 12-month period. See section B.2 below.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emission limitations in section A.1 and the fuel sulfur content restriction in section B.1.

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent, by weight, for combustion in this emissions unit.

2. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

   This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel/number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall maintain daily records of the operating hours for this emissions unit.

4. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit a quarterly report that includes the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction.

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

E. Testing Requirements

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

   a. Emission Limitations:

      NOx emissions shall not exceed 7.75 lbs/hr.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp).

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I,

Chapter 3, Table 3.3-1, dated October, 1996.

b. Emission Limitations:

NOx emissions shall not exceed 15.50 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

c. Emission Limitation:

CO emissions shall not exceed 1.67 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

d. Emission Limitation:

CO emissions shall not exceed 3.34 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

e. Emission Limitation:

SO2 emissions shall not exceed 0.51 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

f. Emission Limitation:

SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

g. Emission Limitation:

PE/PM10 emissions shall not exceed 0.55 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

h. Emission Limitation:

PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

i. Emission Limitation:

OC emissions shall not exceed 0.63 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

j. Emission Limitation:

OC emissions shall not exceed 1.26 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

k. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

l. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.

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 - (P007) - 250 HP stationary diesel engine

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 7.75 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 1.67 lbs/hr. Sulfur dioxide (SO2) emissions shall not exceed 0.51 lb/hr. Particulate emissions (PE)/particulate matter less than 10 microns in diameter (PM10) shall not exceed 0.55 lb/hr. Organic compounds (OC) emissions shall not exceed 0.63 lb/hr. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). See sections A.2.a and B.1 below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

OAC rule 3745-31-05(C)	NOx emissions shall not exceed 15.50 tons per rolling, 12-month period. CO emissions shall not exceed 3.34 tons per rolling, 12-month period. SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period. PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period. OC emissions shall not exceed 1.26 tons per rolling, 12-month period. See section B.2 below.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emission limitations in section A.1 and the fuel sulfur content restriction in section B.1.

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent, by weight, for combustion in this emissions unit.

2. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

   This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel/number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall maintain daily records of the operating hours for this emissions unit.

4. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit a quarterly report that includes the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction.

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

E. Testing Requirements

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

   a. Emission Limitations:

      NOx emissions shall not exceed 7.75 lbs/hr.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp).

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

b. Emission Limitations:

NOx emissions shall not exceed 15.50 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

c. Emission Limitation:

CO emissions shall not exceed 1.67 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

d. Emission Limitation:

CO emissions shall not exceed 3.34 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

e. Emission Limitation:

SO2 emissions shall not exceed 0.51 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

f. Emission Limitation:

SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

g. Emission Limitation:

PE/PM10 emissions shall not exceed 0.55 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

h. Emission Limitation:

PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp),

and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

i. Emission Limitation:

OC emissions shall not exceed 0.63 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

j. Emission Limitation:

OC emissions shall not exceed 1.26 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

k. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

I. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.

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 -(P008) - 250 HP stationary diesel engine

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 7.75 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 1.67 lbs/hr. Sulfur dioxide (SO2) emissions shall not exceed 0.51 lb/hr. Particulate emissions (PE)/particulate matter less than 10 microns in diameter (PM10) shall not exceed 0.55 lb/hr. Organic compounds (OC) emissions shall not exceed 0.63 lb/hr. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). See sections A.2.a and B.1 below.
OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

OAC rule 3745-31-05(C)	NOx emissions shall not exceed 15.50 tons per rolling, 12-month period. CO emissions shall not exceed 3.34 tons per rolling, 12-month period. SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period. PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period. OC emissions shall not exceed 1.26 tons per rolling, 12-month period. See section B.2 below.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emission limitations in section A.1 and the fuel sulfur content restriction in section B.1.

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent, by weight, for combustion in this emissions unit.

2. The maximum operating hours for this emissions unit shall not exceed 4000 hours per year, as a rolling, 12-month summation.

   This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel/number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall maintain daily records of the operating hours for this emissions unit.

4. The permittee shall maintain monthly records of the actual hours of operation for this emissions unit for the month and for the previous 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

   The reports shall include what corrective action was taken and shall be sent to the Director (Ohio EPA Northeast District Office) within 30 days following the exceedance.

2. The permittee shall submit a quarterly report that includes the total operating hours of the emissions unit for the previous 12-month period and a statement of the 4000 hour restriction.

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

E. Testing Requirements

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

   a. Emission Limitations:

      NOx emissions shall not exceed 7.75 lbs/hr.

      Applicable Compliance Method:

      Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp).

      The NOx emission factor was obtained from AP-42, 5th Edition, Volume I,

Chapter 3, Table 3.3-1, dated October, 1996.

b. Emission Limitations:

NOx emissions shall not exceed 15.50 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the NOx emission factor of 0.031 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The NOx emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

c. Emission Limitation:

CO emissions shall not exceed 1.67 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

d. Emission Limitation:

CO emissions shall not exceed 3.34 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the CO emission factor of 0.00668 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The CO emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

e. Emission Limitation:

SO2 emissions shall not exceed 0.51 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

f. Emission Limitation:

SO2 emissions shall not exceed 1.03 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the SO2 emission factor of 0.00205 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The SO2 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

g. Emission Limitation:

PE/PM10 emissions shall not exceed 0.55 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

h. Emission Limitation:

PE/PM10 emissions shall not exceed 1.10 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the PE/PM10 emission factor of 0.00220 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The PE/PM10 emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

i. Emission Limitation:

OC emissions shall not exceed 0.63 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp).

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

j. Emission Limitation:

OC emissions shall not exceed 1.26 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the OC emission factor of 0.00251 lb/hp-hr by the power output rating of this emissions unit (250 hp), and by the maximum annual operating hour restriction (4000 hrs), and then dividing by 2000 lbs/ton.

The OC emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

k. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except during acceleration.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing visible emission observations in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

l. Emission Limitation:

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated by the following formula:

(0.0022 lb/hp-hr) / (7000 Btu/hp-hr) x (1,000,000 Btu/mmBtu)

where:

0.0022 lb/hp-hr is the particulate emission factor; and
7000 is the conversion factor of Btu to hp-hr.

The particulate emission factor was obtained from AP-42, 5th Edition, Volume I, Chapter 3, Table 3.3-1, dated October, 1996.

If required, compliance shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-31-05(C), the following terms and conditions of this permit to install are federally enforceable: A through F.