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

Permit To Install **04-01315**

A. Source Description

This PTI is for two diesel fueled portable generators, B001: 600 kW and B002: 320kW that supply power to the plant have the potential to emit 119.2 tons of NOx.

B. Facility Emissions and Attainment Status

This facility is a minor source for carbon monoxide, organic compounds, particulates and sulfur dioxides. It is located in the City of Genoa in Ottawa County. This location has the following status:

Pollutant	Significant Net Emission Increase Levels	Attainment Status
CO	100 TPY	attainment
NOx	40 TPY	attainment
O3 (VOC)	40 TPY	attainment
PE	25 TPY	not applicable
PM10	15 TPY	attainment
SO2	40 TPY	attainment
Pb	0.6 TPY	attainment

C. Source Emissions

Emissions units B001 and B002 have an unrestricted PTE of 119.2 TPY combined. This PTI will restrict them to 24.8 TPY combined. No other sources emit NOx at this facility.

D. Conclusion

Federally enforceable permit limitations will restrict the facility to 24.8 tons per year NOx. At this level the facility will remain a minor source for PSD and Title V purposes.

State of Ohio Environmental Protection Agency

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

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
LUCAS COUNTY
Application No: 04-01315
DATE: 11/5/2002

Stansley Mineral Resources
Chip Tokar
3810 Herr Rd.
Sylvania, OH 43560

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 TDES Toledo Met Area Council of Gov IN MI

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: To be entered upon final issuance**
Terms and Conditions	**Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 04-01315

Application Number:	04-01315
APS Premise Number:	0448041040
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Stansley Mineral Resources
Person to Contact:	Chip Tokar
Address:	3810 Herr Rd. Sylvania, OH 43560

Location of proposed air contaminant source(s) [emissions unit(s)]:
3810 Herr Rd.
Sylvania, **Ohio**

Description of proposed emissions unit(s):
Two diesel powered portable electric 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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any

information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. Termination of Permit to Install

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

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

10. Public Disclosure

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

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

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

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

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 obtained before 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 thirty (30) 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
CO	7.7
NOx	24.8
PE	1.33
SO2	3.7
VOC	1.67

Emissions Unit ID: **B001**

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
B001 - Portable 600 kilowatt diesel fueled generator, Caterpillar model 3414 with 890 bhp internal combustion engine with timing retard and positive crankcase ventilation	OAC rule 3745-31-05(A)(3)	5.3 pounds of CO per hour, 11.8 pounds of NOx per hour, 0.39 pound of PE per hour, 3.1 pounds of SO2 per hour, 0.56 pound of VOC per hour, and see A.2.b, A.2.c and A.2.d.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mm BTU
	OAC rule 3745-18-06(B)	Exempt, see A.2.a.
	OAC rule 3745-21-07(B)	None, see A.2.b.
	OAC rule 3745-21-08(B)	None, see A.2.b.
	OAC rule 3745-23-06(B)	None, see A.2.b.
	OAC rule 3745-31-02(A)(2)	4.5 tons of carbon monoxide (CO) per rolling 12-month period, 10 tons of nitrogen oxides (NOx) per rolling 12-month period, 0.33 ton of particulate emissions (PE) per rolling 12-month period, 2.7 tons of sulfur dioxide (SO2) per

rolling 12-month period, and 0.47 ton of volatile organic compounds (VOC) per rolling 12-month period.

2. Additional Terms and Conditions

2.a Exemption from OAC rule 3745-18-06 requirements for SO2: stationary internal combustion engine less than 10 mmBtu per hour.

2.b The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07, 3745-21-08 and 3745-23-06 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

2.c The permittee shall utilize only commercially available diesel fuel, with a maximum sulfur content of 0.5% by weight, for combustion in this emissions unit.

2.d The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1) and 3745-17-11(B)(5)(b).

B. Operational Restrictions

1. The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.

2. Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.

3. The maximum rolling 12-month summation of fuel usage for this emissions unit shall not exceed 75,000 gallons.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain daily records that document any time periods when the positive crankcase ventilation system was not in service when the emissions unit was in operation.

3. The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.

4. The permittee shall maintain a rolling 12-month summation of the number of gallons of fuel used in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight is used in this emissions unit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which the positive crankcase ventilation system was not in service when the emissions unit was in operation.

3. The permittee shall submit deviation (excursion) reports that identify each day during which the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.

4. The permittee shall submit deviation (excursion) reports identifying any monthly record which shows that the gallons per year of fuel used exceeds the applicable limitation.

5. Each report shall be submitted to the Toledo Division of Environmental Services within 30 days of the discovery of the deviation.

E. Testing Requirements

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following methods(s):

   a. Emission Limitation: 20% opacity as a six-minute average.

      Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation through visible emission readings performed in accordance with Method 9 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 3745-17-03(B)(1).

   b. Emission Limitation: 5.3 pounds CO per hour.

      Applicable Compliance Method: Compliance shall be based upon the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.85 lb/mmBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

Emissions Unit ID: **B001**

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A.

c. Emission Limitation: 4.5 tons CO per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.85 lb/MMBtu times the rolling 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

d. Emission Limitation: 11.8 pounds of NOx per hour.

Applicable Compliance Method: Compliance shall be based upon the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 1.9 lbs/MMBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A.

e. Emission Limitation: 10 tons NOx per rolling,12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 1.9 lbs/MMBtu times the rolling 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

f. Emission Limitation: 0.39 pound PE per hour.

Applicable Compliance Method: Compliance shall be based upon the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.062 lb/MMBtu times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-2.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60

Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10).

g. Emission Limitation: 0.33 ton PE per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.062lbsMMBtu times the rolling 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton. .

h. Emission Limitation: 3.1 pounds of SO2 per hour.

Applicable Compliance Method: Compliance shall be based upon the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 1.01*S lbs/MMBTU , where S=0.5, times the heat content of 0.14 MMBTU/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

i. Emission Limitation: 2.7 tons SO2 per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 1.01*S lbs/MMBTU , where S=0.5, times the rolling 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

j. Emission Limitation: 0.56 pound VOC per hour.

Applicable Compliance Method: Compliance shall be based upon the maximum hourly fuel usage rate of 44.2 gallons per hour times the emission factor of 0.09 lb/MMBTU

times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.4, Table 3.4-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

k. Emission Limitation: 0.47 ton VOC per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 75,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.09 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

   a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

   b. the portable emissions unit is operating pursuant to a currently effective permit to permit to install, permit to operate or registration;

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Toledo Division of Environmental Services (TDES) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,

   d. in the TDES's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

b. the portable emissions unit is equipped with best available technology;

c. the portable emission unit owner has identified the proposed site to Ohio EPA;

d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and

g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to this section, shall be valid for no longer than three years and are subject to renewal.

3. In order for the TDES and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Toledo Division of Environmental Services (348 S. Erie St., Toledo, Ohio 43602)) and with the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the TDES and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

4. The following terms and conditions are federally enforceable: A., B., C., D. and E.

Emissions Unit ID: **B002**

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
B002 - Portable 320kilowatt diesel fueled generator, Caterpillar model 3406 with 487 bhp internal combustion engine with timing retard and positive crankcase ventilation	OAC rule 3745-31-05(A)(3)	3.3 pounds of CO per hour, 15.4 pounds of NOx per hour, 1.1 pounds of PE per hour, 1 pound of SO2 per hour, 1.2 pounds of VOC per hour, and see A.2.b, A.2.c and A.2.d
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-17-11(B)(5)(a)	0.062 lb PE/mm BTU
	OAC rule 3745-18-06(B)	Exempt, see A.2.a
	OAC rule 3745-21-07(B)	None, see A.2.b
	OAC rule 3745-21-08(B)	None, see A.2.b
	OAC rule 3745-23-06(B)	None, see A.2.b.
	OAC rule 3745-31-02(A)(2)	3.2 tons of carbon monoxide (CO) per rolling 12-month period, 14.8 tons of nitrogen oxides (NOx) per rolling 12-month period, 1 ton of particulate emissions (PE) per rolling 12-month period, 1 ton of sulfur dioxide (SO2) per

rolling 12-month period, and 1.2 tons of volatile organic compounds (VOC) per rolling 12-month period.

2. Additional Terms and Conditions

2.a Exemption from OAC rule 3745-18-06 requirements for SO2: stationary internal combustion engine less than 10 mmBtu per hour.

2.b The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07, 3745-21-08 and 3745-23-06 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

2.c The permittee shall utilize only commercially available diesel fuel, with a maximum sulfur content of 0.5% by weight, for combustion in this emissions unit.

2.d The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1) and 3745-17-11(B)(5)(b).

B. Operational Restrictions

1. The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.

2. Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.

3. The maximum rolling, 12-month summation of fuel usage for this emissions unit shall not exceed 48,000 gallons.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain daily records that document any time periods when the positive

crankcase ventilation system was not in service when the emissions unit was in operation.

3. The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.

4. The permittee shall maintain monthly records of the cumulative rolling 12-month summation of fuel used in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight is used in this emissions unit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which the positive crankcase ventilation system was not in service when the emissions unit was in operation.

3. The permittee shall submit deviation (excursion) reports that identify each day during which the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.

4. The permittee shall submit deviation (excursion) reports identifying any monthly record which shows that the gallons per rolling 12-month period of fuel used exceeds the applicable limitation.

6. Each report shall be submitted to the Toledo Division of Environmental Services within 30 days of the discovery of the deviation.

E. Testing Requirements

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following methods(s):

   a. Emission Limitation: 20% opacity as a six-minute average.

      Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation through visible emission readings performed in accordance with Method 9 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 3745-17-03(B)(1).

   b. Emission Limitation: 3.3 pounds CO per hour.

      Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.95 lb/MMBtu time the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

      If required, the permittee shall demonstrate compliance with this emission limitation in

accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A.

c. Emission Limitation: 3.2 tons CO per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.95 lb/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

d. Emission Limitation: 15.4 pounds of NOx per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 4.41 lbs/MMBtu time the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A.

e. Emission Limitation: 14.8 tons NOx per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling 12-month period. Compliance may be demonstrated through calculations performed as follows: 4.41 lbs/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBtu/gallon and divide by 2,000 pounds per ton.

f. Emission Limitation: 1.1 pound PE per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.31 lb/MMBtu times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60

Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10).

g. Emission Limitation: 1.0 tons PE per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.31 lb/MMBtu times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

h. Emission Limitation: 1 pound of SO2 per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.29 lb/MMBTU times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBTU/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

i. Emission Limitation: 1 ton SO2 per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.29 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

j. Emission Limitation: 1.2 pounds VOC per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.35 lb/MMBTU times the maximum fuel usage rate of 24.9 gallons per hour times the heat content of 0.14 MMBtu/gallon. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

k. Emission Limitation: 1.2 tons VOC per rolling, 12-month period.

Applicable Compliance Method: This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum allowable 48,000 gallons per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: 0.35 lb/MMBTU times the rolling, 12-month summation of fuel usage, in gallons, times the heat content of 0.14 MMBTU/gallon and divide by 2,000 pounds per ton.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

   a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

   b. the portable emissions unit is operating pursuant to a currently effective permit to permit to install, permit to operate or registration;

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Toledo Division of Environmental Services (TDES) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,

   d. in the TDES's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

   a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

   b. the portable emissions unit is equipped with best available technology;

c. the portable emission unit owner has identified the proposed site to Ohio EPA;

d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and

g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to this section, shall be valid for no longer than three years and are subject to renewal.

3. In order for the TDES and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Toledo Division of Environmental Services (348 S. Erie St., Toledo, Ohio 43602)) and with the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the TDES and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

4. The following terms and conditions are federally enforceable: A., B., C., D. and E.