

Facility ID: 0247170911 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0247170911 Emissions Unit ID: B001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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1525 HP/1050 KW, 10.03 mmBtu/hr., Diesel Fueled, Engine Driven Electric Generator (B001)	See section F	See section A.2.
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OAC 3745-17-11(B)(5)(b)

Particulate emissions from this emissions unit shall not exceed 0.35 pound per million Btu (lb/mmBtu) and 3.5 TPY.

2. Additional Terms and Conditions

- (a) Nitrogen Oxides (NOx) emissions from this emissions unit shall not exceed 11.0 grams per horsepower-hour (grams/HP-HR) and 37.0 TPY.
Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.30 lb/mmBtu and 3.0 TPY.
VOC emissions from this emissions unit shall not exceed 0.30 lb/mmBtu and 3.0 TPY.
Carbon monoxide (CO) emissions from this emissions unit shall not exceed 0.80 lb/mmBtu and 8.0 TPY.
Visible particulate emissions from this emissions unit shall not exceed five (5) percent opacity as a six-minute average except for a one hour period during the start-up of the engine. Visible particulate emissions during this one hour start-up period shall not exceed twenty (20) percent opacity as a six-minute average.

B. Operational Restrictions

1. This emissions unit shall be limited to maximum annual potential Nitrogen Oxides emissions of 37.0 tons by restricting the engine-generator operations (i.e., the period of time during which the engine is firing diesel fuel and generating electrical power) as follows:
The fuel used in this internal combustion engine driven electric generator set shall be restricted to No. 2 diesel fuel only; and
The total annual operating hours for this source, measured on a rolling 365-day cumulative total basis, shall not exceed 2000.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the operation of this emissions unit which indicate the following:
 - a. The date and time of each start-up and shut-down of this emissions unit;
 - b. The number of hours during each day that this emissions unit is operated;
 - c. The total cumulative hours of operation of this emissions unit on a rolling 365-day basis; and
 - d. The maximum sustained generator load during each operation of this engine-generator set.

D. Reporting Requirements

1. The permittee shall report any deviation (excursion) from the operating restrictions listed above within 30 days after any exceedance occurs. This report shall include the date and time of the exceedance as well as the corrective measures taken.

E. Testing Requirements

1. Compliance with the emissions limitations in section A.1. and A.2. of these terms and conditions shall be determined in accordance with the following methods:

Emissions Limitation: Particulates--0.35 lb/mmBtu and 3.5 TPY.

Applicable Compliance Method: Calculations based on the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-5, the engine heat rate, and a compilation of annual engine/generator operating data. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).
Emissions Limitation: Nitrogen oxides (NOx) emissions shall not exceed 11.0 grams/HP-HR and 37.0 TPY.

Applicable Compliance Method: Calculations based on the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-1, the engine heat rate, and a compilation of annual engine/generator operating data. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the NOx emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 7 or 7E.
Emissions Limitation: Sulfur dioxide (SO2)--0.30 lb/mmBtu and 3.0 TPY.

Applicable Compliance Method: Calculations based on the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-1, the engine heat rate, and a compilation of annual engine/generator operating data.
Emissions Limitation: VOC emissions shall not exceed 0.30 lb/mmBtu and 3.0 TPY.

Applicable Compliance Method: Calculations based on the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-1, the engine heat rate, and a compilation of annual engine/generator operating data.
Emissions Limitation: Carbon monoxide (CO)--0.80 lb/mmBtu and 8.0 TPY.

Applicable Compliance Method: Calculations based on the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-1, the engine heat rate, and a compilation of annual engine/generator operating data. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the CO emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 10.
Emissions Limitation: Visible particulate emissions from this emissions unit shall not exceed five (5) percent opacity as a six-minute average except for a one hour period during the start-up of the engine. Visible particulate emissions during this one hour start-up period shall not exceed twenty (20) percent opacity as a six-minute average..

Applicable Compliance Method: Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 02-9126, as issued on November 8, 1995: A., B., C., D., and E.