Facility ID: 0250000990 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.

Go to Part II for Emissions Unit B001
Go to Part II for Emissions Unit B002

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Facility ID: 0250000990 Emissions Unit ID: B001 Issuance type: Final State Permit To Operate

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Caterpillar Model G-342-NA, 190 HP (1.6 mmBtu/hr), 4-cycle/rich burn, natural gas-fired, internal combustion pipeline compressor engine (Unit 6101) (B001).	OAC rule 3745-31-05(A)(3)	NOx emissions from this emissions unit shall not exceed 4.18 lbs/hr and 18.31 TPY. CO emissions from this emissions unit shall not exceed 3.61 lbs/hr and 15.81 TPY. Total organic compound emissions from this emissions unit shall not exceed 0.50 lb/hr and 2.20 TPY.
	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from this emissions unit shall not exceed 0.31lb/mmBtu actual heat input, 0.50 lb/hr and 2.19 TPY.
	OAC rule 3745-18-06(F)	Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 lb/mmBtu actual heat input, 0.80 lb/hr and 3.50 TPY.
	OAC rule 3745-17-07	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period.

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit.

C. **Monitoring and/or Record Keeping Requirements**

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

2. The permittee shall maintain monthly records of the following information:

   a. the volume of natural gas burned in this emissions unit for the calendar month (in millions of cubic feet); and

   b. the number of hours of operation of this emissions unit for each calendar month.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. Permittee shall submit an annual report which summarizes the monthly and cumulative annual hours of operation and volume of natural gas burned by this emissions unit. This report shall be submitted to the Northeast District Office of the Ohio EPA by January 31 of each year for data recorded during the previous calendar year.

E. **Testing Requirements**

1. Emission Limitation: Emissions of NOx from this emissions unit shall not exceed 4.18 lbs/hr and 18.31 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 0.022 lb NOx/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the nitrogen oxides 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, Appendix A, Methods 1-4 and Methods 7 or 7E.

2. Emission Limitation: Emissions of carbon monoxide from this emissions unit shall not exceed 3.61 lb/hr and 15.81 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 0.019 lb CO/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the carbon monoxide 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, Appendix A, Methods 1-4 and Method 10.

3. Emission Limitation: Emissions of total organic compounds (TOC) from this emissions unit shall not exceed 0.50 lb/hr and 2.20 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 2.65 E-03 lb TOC/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the total organic compound 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, Appendix A, Methods 1-4 and Method 25.

4. Emission Limitation: Emissions of total particulates from this emissions unit shall not exceed 0.31 lb/mmBtu actual heat input or 0.50 lb/hr and 2.19 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-2 (10/96), 3.53 E-04 lb PM/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the particulate 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, Appendix A, Methods 1-4 and Method 5.

5. Emission Limitation: Emissions of SO2 from this emissions unit shall not exceed 0.80 lbs/hr and 3.50 TPY.

   Applicable Compliance Method: Compliance shall be assumed due to the negligible percent sulfur, by weight, in the fuel. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Method 6 and the procedures specified in OAC rule 3745-18-04.

6. Emission Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period.

   Applicable Compliance Method: Compliance shall be determined through visible emissions observations performed 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. None

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Facility ID: 0250000990 Emissions Unit ID: B002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Caterpillar Model G-342-NA, 190 HP (1.6 mmBtu/hr), 4-cycle/rich burn, natural gas-fired, internal combustion pipeline compressor engine (Unit 6102) (B002).	OAC rule 3745-31-05(A)(3)	NOx emissions from this emissions unit shall not exceed 4.18 lbs/hr and 18.31 TPY. CO emissions from this emissions unit shall not exceed 3.61 lbs/hr and 15.81 TPY. Total organic compound emissions from this emissions unit shall not exceed 0.50 lb/hr and 2.20 TPY.
	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from this emissions unit shall not exceed 0.31lb/mmBtu actual heat input, 0.50 lb/hr and 2.19 TPY.
	OAC rule 3745-18-06(F)	Sulfur dioxide emissions from this emissions unit shall not exceed 0.50 lb/mmBtu actual heat input, 0.80 lb/hr and 3.50 TPY.
	OAC rule 3745-17-07	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period.

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit.

C. **Monitoring and/or Record Keeping Requirements**

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

2. The permittee shall maintain monthly records of the following information:

   a. the volume of natural gas burned in this emissions unit for the calendar month (in millions of cubic feet); and

   b. the number of hours of operation of this emissions unit for each calendar month.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. Permittee shall submit an annual report which summarizes the monthly and cumulative annual hours of operation and volume of natural gas burned by this emissions unit. This report shall be submitted to the Northeast District Office of the Ohio EPA by January 31 of each year for data recorded during the previous calendar year.

E. **Testing Requirements**

1. Emission Limitation: Emissions of NOx from this emissions unit shall not exceed 4.18 lbs/hr and 18.31 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 0.022 lb NOx/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the nitrogen oxides 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, Appendix A, Methods 1-4 and Methods 7 or 7E.

2. Emission Limitation: Emissions of carbon monoxide from this emissions unit shall not exceed 3.61 lb/hr and 15.81 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 0.019 lb CO/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the carbon monoxide 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, Appendix A, Methods 1-4 and Method 10.

3. Emission Limitation: Emissions of total organic compounds (TOC) from this emissions unit shall not exceed 0.50 lb/hr and 2.20 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-1 (10/96), 2.65 E-03 lb TOC/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the total organic compound 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, Appendix A, Methods 1-4 and Method 25.

4. Emission Limitation: Emissions of total particulates from this emissions unit shall not exceed 0.31 lb/mmBtu actual heat input or 0.50 lb/hr and 2.19 TPY.

   Applicable Compliance Method: Compliance shall be based upon the use of an emission factor as specified in AP-42, "Compilation of Air Pollution Emission Factors",fifth edition (supplement B), section 3.2, table 3.2-2 (10/96), 3.53 E-04 lb PM/HP-Hr, the maximum rated capacity (horsepower) of this emissions unit, and the values for hours of operation required to be recorded above. If required pursuant to OAC rule 3745-15-04, the permittee shall demonstrate compliance with the particulate 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, Appendix A, Methods 1-4 and Method 5.

5. Emission Limitation: Emissions of SO2 from this emissions unit shall not exceed 0.80 lbs/hr and 3.50 TPY.

   Applicable Compliance Method: Compliance shall be assumed due to the negligible percent sulfur, by weight, in the fuel. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Method 6 and the procedures specified in OAC rule 3745-18-04.

6. Emission Limitation: Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except for a period of not more than six (6) consecutive minutes in any sixty-minute period.

   Applicable Compliance Method: Compliance shall be determined through visible emissions observations performed 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. None