Facility ID: 0679940022 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: 0679940022 Emissions Unit ID: P001 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 63304-NA-HCR natural gas fired compressor engine.	OAC rule 3745-31-05(A)(3) PTI # 02-17405 issued1/23/03	NOx emissions from this emissions unit shall not exceed 3.10 lbs/hr and 13.57 TPY. CO emissions from this emissions unit shall not exceed 0.42 lb/hr and 1.83 TPY. TOC emissions from this emissions unit shall not exceed 0.42 lb/hr and 1.83 TPY.
	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from this emissions unit shall not exceed 0.310 lbs/mmBtu of actual heat input, 0.22 lb/hr and 0.97 TPY
	OAC rule 3745-18-06(B)	See section A.2.a.
	OAC rule 3745-17-07	Visible particulate emissions from this emissions unit shall not exceed twenty (20) percent opacity as a six-minute average more than once per any sixty-minute period.
	OAC rule 3745-21-08(B)	See Section A.2.b below.

2. **Additional Terms and Conditions**

   (a) OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to or less than 10 million BTU/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 0.713 million BTU/hr.
   The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B).

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

B. **Operational Restrictions**

1. The permittee shall use only natural gas as a fuel in the emissions unit covered by this permit.

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.

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.

E. **Testing Requirements**

1. Compliance with the emission limitations detailed in the above terms and conditions shall be determined in

accordance with the following methods:
Emissions Limitation:
Nitrogen Oxide (NOx) emissions from this emissions unit shall not exceed 3.10 lbs/hr and 13.57 TPY.

Applicable Compliance Method:
Compliance shall be based on the use of the following equations:

E (lb/hr) = EF x HP x CF
E (tons/yr) = E(lb/hr) x HR x 1 ton/2000 lbs

Where: E (Emissions)= nitrogen oxide emission rate in pounds per hour or tons per year
EF (Emission Factor)=Caterpillar published emission factor for Model 63304 NA-HCR=14.8 GRAMS /BHP-HR
HP (Horse Power)=95 BHP
CF (Conversion Factor)= 0.0022 lbs/gram
HR (Hours of Operation)= Annual hours of operation
Emissions Limitation:
Carbon monoxide (CO) emissions from this emissions unit shall not exceed 0.42 lb/hr and 1.83 TPY.

Applicable Compliance Method:
Compliance shall be based on the use of the following equations:

E (lb/hr) = EF x HP x CF
E (tons/Yr) = E(lb/hr) x HR x tons/2000 lbs

Where: E (Emissions)= carbon monoxide emission rate in pounds per hour
EF (Emission Factor)=Caterpillar published emission factor for Model 63304 NA-HCR=2.0 GRAMS /BHP-HR
HP (Horse Power)=95 HP
CF (Conversion Factor)= 0.0022 lbs/gram
HR (Hours of Operation)= Annual hours of operation
Emissions Limitation:
Total organic compound (TOC) emissions from this emissions unit shall not exceed 0.42 lb/hr and 1.83 TPY.

Applicable Compliance Method:
Compliance shall be based on the use of the following equations:

E (lb/hr) = EF x HP x CF
E (tons/Yr) = E(lb/hr) x HR x tons/2000 lbs

Where: E (Emissions)= organic compound emission rate in pounds per hour
EF (Emission Factor)=Caterpillar published emission factor for Model 63304 NA-HCR=2.0 GRAMS /BHP-HR
HP (Horse Power)=95 HP
CF (Conversion Factor)= 0.0022 lbs/gram
HR (Hours of Operation)= Annual hours of operation
Emissions Limitation:
Particulate emissions from this emissions unit shall not exceed 0.310 lb/mmBtu of actual heat input, 0.22 lb/hr and 0.97 TPY.

Applicable Compliance Method:
Compliance with the emissions limitation shall be based upon the use of an emission factor as specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.2-3 (7/00) (0.00950 lb of particulate matter per mmBtu fuel input), the maximum rated heat rate of this emissions unit, and the hours of operation of this emissions unit as recorded above. 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:
Visible particulate emissions from this emissions unit shall not exceed twenty (20) percent opacity as a six-minute average more than once per any sixty-minute period.

Applicable Compliance:
If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the visible particulate emissions limits of this permit by 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. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.