

Facility ID: 0546000058 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: 0546000058 Emissions Unit ID: P003 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - Engine Testing Dynamometer Cell No. 2 with one GE200HD1000 dynamometer.	OAC rule 3745-31-05(A)(3)	P002 shall be limited to the following hourly restrictions: 0.7 lb of particulate emissions (PE)/hr; 0.41 lb of sulfur dioxide (SO2)/hr; 24.0 lbs of nitrogen oxides (NOx)/hr; 0.64 lbs of organic compounds (OC)/hr; and 5.5 lbs of carbon monoxide (CO)/hr.
	OAC rule 3745-31-05(C)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-5(C). P002 shall limit potential to emit to the following annual restrictions: 0.49 ton PE/yr;* 0.28 ton of SO2/yr;* 16.8 tons of NOx/yr;* 0.45 tons of OC/yr; and* 3.85 tons of CO/yr.* * The annual limits shall be based upon a 12-month rolling summation of emissions.
	OAC rule 3745-17-07(A)	See operational restrictions in Part II, B.2.
	OAC rule 3745-17-11	See additional term & condition in Part II,A.2a.
	OAC rule 3745-21-08(B)	See additional term & condition in Part II,A.2b.
	OAC rule 3745-18-06(G)	See additional term & condition in Part II,A.2c.
	OAC rule 3745-21-07(B)	See additional term & condition in Part II,A.2d.
	OAC rule 3745-23-06(B)	See additional term & condition in Part III., A.2c.
		See additional term & condition in Part II,A.2e.

2. Additional Terms and Conditions

- (a) This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.
The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(I), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.*

* The only materials introduced into this process are gaseous fuels and liquid fuels that are used solely as fuels for the purpose of combustion.
The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to

install.

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.

This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On February 14, 2005, OAC rule 3745-23-06 was rescinded; 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 U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. The permittee shall employ only auto diesel, liquid propane gas (LPG), compressed natural gas (CNG), or fuel hydrogen as fuel when operating this emissions unit.
2. The maximum annual hours of operation for this emissions unit shall not exceed 1,400 hours, based upon a rolling, 12-month summation of the hours of operation for this emission unit.

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

Maximum Allowable
Month(s) Cumulative hours of operation

1 116
1-2 233
1-3 350
1-4 466
1-5 583
1-6 700
1-7 816
1-8 933
1-9 1,050
1-10 1,166
1-11 1,283
1-12 1,400

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

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the number of hours the emission unit operated.
2. The permittee shall maintain the following monthly records regarding fuels burned in this unit:
The name, and identification number (if any) of each fuel burned in the emission unit; and
The fuel type (i.e. auto diesel, LPG, CNG, or fuel hydrogen) burned in the emission unit; and
The name, identification number (if any) and fuel description of any fuel other than auto diesel, LPG, CNG or fuel hydrogen burned in this emission unit.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month operational hours limitation of 1,400. During the first 12 months of operation after final issuance of this permit the permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the operational hours limitations listed in Part II.2 of this emission unit.
2. If the permittee uses any other type of fuel other than auto diesel, LPG, CNG, or fuel hydrogen in this emissions unit, the permittee shall notify the Ohio EPA, Southwest District Office within 30 days of becoming aware of the occurrence.
3. The deviation reports shall be submitted in accordance with paragraph I.A.2.b. of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Emission Limitation:
0.7 lb of particulate emissions (PE)/hr, 0.49 ton PE/yr, based on a 12-month rolling summation;
0.4 lb of sulfur dioxide (SO₂)/hr, 0.28 ton of SO₂/yr, based on a 12-month rolling summation;
24.0 lbs of nitrogen oxides (NO_x)/hr, 16.8 tons of NO_x/yr, based on a 12-month rolling summation; 0.64 lbs of organic compounds (OC)/hr, 0.45 tons of OC/yr, based on a 12-month rolling summation; and 5.5 lbs of carbon monoxide (CO)/hr, 3.85 tons of CO/yr, based on a 12-month rolling summation.

Applicable Compliance Method:

Compliance with the limits for diesel combustion within the test cell shall be based upon the emission factors from AP-42 "Compilation of Air Pollutant Emission Factors", Chapter 3: Stationary Internal Combustion Sources, Table 3.4-1 (10/96). These emission factors (lb pollutant/hp-hr) multiplied by the maximum horsepower of the dynamometer, 1,000 hp, shall be the demonstration of compliance with the hourly limits.

Compliance with the 12-month rolling limits shall be assumed so long as compliance with the hourly restriction in section B.2 is demonstrated. If the hourly restriction in section B.2 is exceeded then the 12 month rolling limits located in A.1 shall be viewed as exceeded also unless an alternative compliance demonstration is provided.

2. Emission Limitation:
The permittee shall employ only auto diesel, liquid propane gas (LPG), compressed natural gas (CNG), or fuel hydrogen as fuel when operating this emissions unit.

Applicable Compliance Method:
Manufacturer or supplier formulation data shall be used to determine the type of fuel combusted in this emissions unit.

F. Miscellaneous Requirements

1. None