

Facility ID: 0855080547 Issuance type: Final State Permit To Operate

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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: 0855080547 Emissions Unit ID: B002 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>
B002 - 3-deck washing screen diesel-fired engine, 0.41 mmBtu/hr; Pre-Aug. 3, 2006 BAT	OAC rule 3745-31-05(A)(3) PTI 08-04804	The nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 4.41 lb/mmBtu and 7.92 tons/year.
		The carbon monoxides (CO) emissions from this emissions unit shall not exceed 0.95 lb/mmBtu and 1.71 tons/year.
		The sulfur dioxides (SO2) emissions from this emissions unit shall not exceed 0.29 lb/mmBtu and 0.52 tons/year.
		The particulate emissions (PE) from this emissions unit shall not exceed 0.31 lb/mmBtu and 0.56 tons/year.
		The organic compounds (OC) emissions from this emissions unit shall not exceed 0.35 lb/mmBtu and 0.63 tons/year.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11, 3745-18-06, 3745-17-07, 3745-23-06 and 3745-21-08.
	OAC rule 3745-17-11(B)(5)(a)	The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(B)	See section A.2.a.	
OAC rule 3745-17-07(A)(1)	Except as provided by rule, visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average.	
OAC rule 3745-21-08(B)	See section A.2.b.	

2. Additional Terms and Conditions

- (a) This rule specifies fuel burning equipment, stationary gas turbines, jet engine test stands and stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MM Btu per hour total rated capacity are exempt from paragraphs (D), (F) and (G) of this rule and from rules 3745-18-07 to 3745-18-94 of the Administrative Code. The design of the emissions unit and the technology associated with the current operating practices satisfy the "best available control techniques and operating practices" and "latest 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 U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revisions

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.

The lb/mmBtu actual heat input and tons per year emission limitations are based on the emissions unit's potentials to emit. Therefore, no monitoring, record keeping, and reporting requirements are necessary to ensure ongoing compliance with these emission limitations.

B. Operational Restrictions

1. The permittee shall burn only No. 2 diesel fuel oil in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than diesel oil, 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 to the Director (the appropriate Ohio EPA District Office or local air agency) that identify each day when a fuel other than diesel oil was burned in this emissions unit. Each report shall be submitted in within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitations in this permit for this emissions unit shall be determined in accordance with the following method(s):

Emission Limitation-

The nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 4.41 lb/mmBtu and 7.92 tons/year.

Applicable Compliance Method-

The emission limitations were based upon the emission factor from AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 3.3, Table 3.3-1 (10/96). Compliance with the annual emission limitation may be demonstrated by multiplying lb-NOx/mmBtu value (4.41 lb/mmBtu) by the maximum rated heat input capacity of the emissions unit (4.41 mmBtu/hr), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation-

The carbon monoxides (CO) emissions from this emissions unit shall not exceed 0.95 lb/mmBtu and 1.71 tons/year.

Applicable Compliance Method-

The emission limitations were based upon the emission factor from AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 3.3, Table 3.3-1 (10/96). Compliance with the annual emission limitation may be demonstrated by multiplying the lb-CO/mmBtu value (0.95 lb/mmBtu) by the maximum rated heat input capacity of the emissions unit (0.41 mmBtu/hr), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation-

The sulfur dioxides (SO₂) emissions from this emissions unit shall not exceed 0.29 lb/mmBtu and 0.52 tons/year.

Applicable Compliance Method-

The emission limitations were based upon the emission factor from AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 3.3, Table 3.3-1 (10/96). Compliance with the annual emission limitation may be demonstrated by multiplying the lb-SO_x/mmBtu value (0.29 lb/mmBtu) by the maximum rated heat input capacity of the emissions unit (0.41 mmBtu/hr), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation-

The particulate emissions (PE) from this emissions unit shall not exceed 0.31 lb/mmBtu and 0.56 tons/year.

Applicable Compliance Method-

The emission limitations were based upon the emission factor from AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 3.3, Table 3.3-1 (10/96). Compliance with the annual emission limitation may be demonstrated by multiplying the lb-PM₁₀/mmBtu value (0.31 lb/mmBtu) by the maximum rated heat input capacity of the emissions unit (0.41 mmBtu/hr), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation-

The organic compounds (OC) emissions from this emissions unit shall not exceed 0.35 lb/mmBtu and 0.63 tons/year.

Applicable Compliance Method-

The emission limitations were based upon the emission factor from AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 3.3, Table 3.3-1 (10/96). Compliance with the annual emission limitation may be demonstrated by multiplying the lb-TOC/mmBtu value (0.35 lb/mmBtu) by the maximum rated heat input capacity of the emissions unit (0.41 mmBtu/hr), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

Opacity Limitation-

The visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method-

Compliance with the visible emission limitation is presumed through the use of diesel fuel. If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the tests and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. None