

Facility ID: 1677130066 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: 1677130066 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Thermogenics natural gas-fired boiler with a capacity of 14.65 mmBtu/hr for process heating	OAC rule 3745-31-05 (PTI 16-1412)	5.44 lbs/hr of carbon monoxide (CO)
		2.68 lbs/mmBtu of nitrogen oxides (NOx)
		See A.2.a below.
	40 CFR Part 60, Subpart Dc	See A.2.b below.
	OAC rule 3745-17-07(A)(1)	See A.2.c below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-21-08(B)	See B.1 below.

2. Additional Terms and Conditions

- (a) The permittee shall only employ natural gas as fuel in this emissions unit. There are no emissions limitations or control measures required by 40 CFR Part 60, Subpart Dc for natural gas-fired boilers. The visible particulate emissions from the stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

B. Operational Restrictions

1. All new stationary carbon monoxide emission sources shall minimize carbon monoxide emissions by use of the best available control techniques and operating practices in accordance with best current technology.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

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

Emission Limitations:

5.44 lbs/hr of CO

Applicable Compliance Method:

Compliance shall be determined by multiplying the volumetric flow rate of 5400 dry standard cubic meters per hour at standard conditions by the product of the molecular weight of CO of 28 times the factor which converts the concentration of CO of 400 parts per million to pounds per hour. The volumetric flow rate at actual conditions and concentration of CO were provided by the manufacturer. The conversion factors were developed using information provided by Samuel Steel Pickling Company emissions calculation sheet.

Emission Limitations:

2.68 lbs/hr of NOx

Applicable Compliance Method:

Compliance shall be determined by multiplying the volumetric flow rate of 5400 dry standard cubic meters per hour at standard conditions by the product of the molecular weight of NOx of 46 times the factor which converts the concentration of NOx of 120 parts per million to pounds per hour. The volumetric flow rate at actual conditions was provided by the manufacturer. The concentration of NOx was developed from data from a stack test of a similar boiler. The conversion factors were developed using information provided by Samuel Steel Pickling Company emissions calculation sheet.

F. **Miscellaneous Requirements**

1. None