

Facility ID: 1431070995 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: 1431070995 Emissions Unit ID: P001 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>
Sodium silicate furnace w/ recuperative boiler, combustion air heater, and wet scrubber	OAC 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a six-minute average, except as specified by rule. 10 lbs PM/hr See A.2. 1.6 lbs SO2/MMBtu of actual heat input.
	OAC 3745-17-11(B)(1)	
	OAC 3745-18-06(D)	

2. Additional Terms and Conditions

- (a) The 10 lbs PM/hr emissions limit represents the uncontrolled mass rate of emissions (UMRE) for this emissions unit. This limitation is a result of negotiations between the permittee and the Ohio EPA, and is more stringent than the allowable emissions rate from OAC 3745-17-11, Table I. The UMRE for this emissions unit shall not be determined during periodic cleaning of heat exchange surfaces in the heat recovery boiler.

B. Operational Restrictions

1. The use of No. 6 fuel oil is limited to periods of natural gas curtailment. The maximum No. 6 fuel oil usage shall not exceed 1.2 million gallons per year.
2. The quality of the oil burned in this emissions unit shall meet the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs/MMBtu of actual heat input.
 - b. A heat content of at least 150,000 Btu/gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content, heat content and the calculated SO2 emission rate (the SO2 emission rate shall be calculated as specified in OAC 3745-18-04(F)).

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 if the amount of oil burned exceeds the above gallons per year limitation. Also, if any analyses indicate that the quality of the oil being burned exceeds the specifications contained in this permit, the permittee shall so notify

the USEPA and the Ohio EPA of the analytical results within 30 days after becoming aware of such results.

E. **Testing Requirements**

1. Compliance with the visible emissions limitation shall be determined by the methods outlined in OAC 3745-17-03 (B)(1).
2. If required, compliance with the PM emissions limitation shall be demonstrated by performing an emissions test pursuant to Method 5 of 40 CFR Part 60, Appendix A.
3. Compliance with the SO₂ emissions limit shall be determined by the record keeping requirements in C.1.
If required, compliance with the SO₂ emissions limit shall be determined by performing an emissions test pursuant to Method 6 of 40 CFR Part 60, Appendix A.

F. **Miscellaneous Requirements**

None