

Facility ID: 0630010130 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: 0630010130 Emissions Unit ID: N005 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>
Oven #5 (Controlled Pyrolysis Furnace Vented to a Thermal Afterburner)	OAC rule 3745-31-05(A)(3) (PTI 06-5781)	Emissions of organic compounds (OC) shall not exceed 0.035 lb/hr and 0.15 ton/yr.
	OAC rule 3745-17-07(A)	Emissions of Nitrogen Oxides (NOx) shall not exceed 0.054 lb/hr and 0.24 ton/yr.
	OAC rule 3745-17-09(B)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule. Particulate emissions (PE) shall not exceed 0.20 lb per 100 pounds of liquid, semi-solid or solid refuse and salvageable material charged.

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The permittee shall operate the thermal afterburner during any operation of the emissions unit.
2. The permittee shall burn only natural gas in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall monitor for a flame in the afterburner each time the furnace is loaded and placed into service and maintain daily records that document any time periods when the thermal afterburner was not in service when the emissions unit was in operation.
2. 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.
3. 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any daily record showing that the thermal afterburner was not in service when the emissions unit was in operation.
2. 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.
3. The permittee shall submit semiannual written reports that (a) identify all weeks during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.
4. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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 Limitation:

Emissions of OC shall not exceed 0.035 lb/hr and 0.15 ton/yr.

Applicable Compliance Method:

Compliance with the lb/hr OC emission limitation shall be demonstrated using the emission factor provided by the permittee.

The annual emissions (ton/yr) shall be determined using the following one time calculation.

Maximum Annual OC Emissions = EF x 8760 hrs/yr x 0.0005 ton/lb
= 0.035 lb/hr x 8760 hrs/yr x 0.0005 ton/lb
= 0.15 ton/yr

If required, emission testing shall be conducted using the following test methods: 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 25A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

Emissions of NOx shall not exceed 0.054 lb/hr and 0.24 ton/yr.

Applicable Compliance Method:

Compliance with the lb/hr NOx emission limitation shall be demonstrated using the emission factor provided by the permittee.

The annual emissions (ton/yr) shall be determined using the following one time calculation.

Maximum Annual NOx Emissions = EF x 8760 hrs/yr x 0.0005 ton/lb
= 0.054 lb/hr x 8760 hrs/yr x 0.0005 ton/lb
= 0.24 ton/yr

If required, emission testing shall be conducted using the following test methods: 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 7. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the visible particulate emission observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emission Limitation:

PE shall not exceed 0.20 lb per 100 pounds of liquid, semi-solid or solid refuse and salvageable material charged.

Applicable Compliance Method:

If required, compliance shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03(B)(8).

F. Miscellaneous Requirements

1. None