

Facility ID: 1483140338 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: 1483140338 Emissions Unit ID: N001 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>
N001-Heat cleaning oven with secondary combustion chamber (afterburner)	OAC rule 3745-31-05(A)(3) PTI 14-03412	Particulate Emissions (PE) and Particulate Matter Emissions 10 microns and less in diameter (PM10) shall not exceed 0.15 pound per hour and 0.66 TPY.
		Particulate Matter Emissions 10 microns and less in diameter (PM10) shall not exceed 0.10 pound per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B). Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-09(B)	See term A.2.a.
	OAC rule 3745-17-09(C)	See term A.2.b.

2. Additional Terms and Conditions

- (a) Particulate emissions in the exhaust gases shall not exceed 0.10 pound per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged.
The oven, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.
The hourly emissions limitation outlined in term A.1 is based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with the limit.
Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of an afterburner with an efficiency of at least 99% and compliance with OAC rule 3745-17-09(B).

B. Operational Restrictions

1. The average combustion temperature within the secondary combustion chamber (afterburner), for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1200 degrees Fahrenheit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the secondary combustion chamber (afterburner), when the incinerator is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. The monitoring and recording devices shall be capable of accurately measuring the desired parameter.
2. The permittee shall collect and record the following information each day:
 - a. all 3-hours blocks of time during which the average combustion temperature within the secondary combustion chamber (afterburner), when the emissions unit was in operation, was less than fifty degrees less than 1200 degrees Fahrenheit; and
 - b. a log of the downtime of the monitoring equipment, when the associated emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit an annual temperature deviation (excursion) reports that identifies all 3-hour blocks of time during which the secondary combustion chamber (afterburner) temperature does not comply with the temperature limitation specified. The permittee shall submit such reports to the Hamilton County Department of Environmental Services by February 15th of each year and cover the previous calendar year. If no exceedances occurred during the reporting period, then a report is required stating so.

E. Testing Requirements

1. Emissions Limitations:
Particulate Emissions (PE) and Particulate Matter Emissions 10 microns and less in diameter (PM10) shall not exceed 0.15 pound per hour and 0.66 TPY.

Applicable Compliance Method:
The hourly allowable emission limitation was determined using the allowable emission rate in OAC rule 3745-17-09(B) of 0.1 lb of PE/100 lbs charged and multiplying it by the maximum charge rate as follows:

 $0.1 \text{ lb of PE}/100 \text{ lbs of charge} \times 150 \text{ lbs of charge/hr} = 0.15 \text{ lbs of PE/hr.}$

 $0.15 \text{ lbs of PE/hr} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs} = 0.66 \text{ TPY}$
2. Emissions Limitation:
Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.
3. Emissions Limitation:
PE/PM10 emissions in the exhaust gases shall not exceed 0.10 pound per one hundred pounds of liquid, semi-solid or solid refuse and salvageable material charged.

Applicable Compliance Method
If required compliance with this mass emission limitation shall be based upon stack testing conducted using Methods 1-4 and 5 from 40 CFR Part 60.

F. Miscellaneous Requirements

1. None