

Facility ID: 1483040007 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: 1483040007 Emissions Unit ID: P004 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>
24 TPH asphalt oxidizing still with thermal incinerator	OAC rule 3745-31-05 (PTI 14-2265)	0.89 LB PM/PM10 per ton of asphalt charged; 21.36 LBS PM/PM10/HR, 42.28 TPY PM/PM10; 2.16 LBS VOC/HR, 4.28 TPY VOC; 10.56 LBS CO/HR, 20.90 TPY CO.
	OAC rule 3745-17-07(A)(1)	* The hourly emission limitation(s) outlined are based upon the emissions unit's PTE. Therefore, no hourly records are required to demonstrate compliance with these limits. Less stringent than 40 CFR 60.472(b)(5).
	OAC rule 3745-17-11(B)	Less stringent than OAC 3745-31-05.
	40 CFR Part 60 Subpart UU [60.472(b)(1) and (b)(3)]	Less stringent than OAC 3745-31-05.
	40 CFR Part 60 Subpart UU [60.472(b)(5)]	Visible particulate emissions from any stack associated with P004 shall not exceed 0 percent opacity except as specified by rule.

2. **Additional Terms and Conditions**
None

B. Operational Restrictions

1. The maximum annual asphalt charge rate shall not exceed 95,000 tons per year.
2. The average combustion temperature within the thermal incinerator, 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 maintain daily records of the amount of asphalt charged, in pounds.
2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. 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 permittee shall collect and record the following information for each day:

- a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1200 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified in section B.2. of these terms and conditions. If no deviation occurred, the permittee shall state so in the report. Refer to General Term and Condition A.3.b. for the report due dates.
2. The permittee shall submit annual reports which specify the total annual asphalt charge rate, in tons per year, from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. If required to demonstrate compliance with the allowable PM, VOC, and/or CO emissions limitations in section A.1. of these terms and conditions, testing shall be conducted using the following methods: for PM, Method 5 of 40 CFR Part 60, Appendix A, for VOC, Method 25A of 40 CFR Part 60, Appendix A and for CO, Method 10 of 40 CFR Part 60, Appendix A.
2. Compliance with the annual PM/PM10 emissions limitation in section A.1. of these terms and conditions shall be demonstrated by applying the emission factor (EF) established during the most recent compliance test in the following equation:
$$\text{actual asphalt charge rate (tons/year)} \times \text{EF (lb PM/ton asphalt)} \times \text{ton/2000 lbs} = \text{TPY PM/PM10.}$$
3. Compliance with the annual VOC and CO emissions limitations in section A.1. of these terms and conditions shall be demonstrated by applying the emission factors (EF) from AP-42 Asphalt Roofing in the following equations:
$$\text{actual asphalt charge rate (tons/year)} \times \text{EF (0.09 lb VOC/ton asphalt)} \times \text{ton/2000 lbs} = \text{TPY VOC; and}$$

$$\text{actual asphalt charge rate (tons/year)} \times \text{EF (8.8 lbs CO/ton asphalt)} \times \text{control efficiency (1-0.95)} \times \text{ton/2000 lbs} = \text{TPY CO.}$$
4. Compliance with the visible particulate emissions limitation in section A.1. of these terms and conditions shall be demonstrated by Method 9 of 40 CFR Part 60, Appendix A.
5. Compliance with the asphalt charge rate operational limitation shall be demonstrated by the recordkeeping requirement in term C.1.

F. Miscellaneous Requirements

None