

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: P005 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>
P005-8.5 TPH modified asphalt mixing system for shingles with mist eliminator	OAC rule 3745-31-05(A)(3) (PTI 14-04386)	Particulate Emissions and emissions of Particulate Matter less than 10 microns in diameter (PM10) shall not exceed 4.54 pounds per hour and 2.71 TPY. Organic Compound (OC) emissions shall not exceed 5.95 pounds per hour and 3.55 TPY. Carbon Monoxide (CO) emissions shall not exceed 2.13 pounds per hour and 1.27 TPY.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). Visible particulate emissions from any stack associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(C)	See section B.1

2. Additional Terms and Conditions

- (a) The hourly emissions limits are based on the maximum production capacity of the equipment; therefore, no record keeping, reporting or testing is required to demonstrate compliance with these limits. Compliance with OAC rule 3745-31-05(A)(3) shall be the use of a mist eliminator to control PM/PM10 emissions, compliance with the rolling, 12-month operational restriction and compliance with the applicable emissions limitations.

B. Operational Restrictions

1. The maximum annual production of modified asphalt shall not exceed 10,155 tons per year, based upon a rolling, 12-month summation of the modified asphalt production rates.
2. The permittee shall operate the mist eliminator according to the manufacturer's specifications to ensure the proper control of particulate emissions.
3. The dissolving tanks and holding tank shall be enclosed and the emissions exhausted to the mist eliminator.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the modified asphalt production rate, in tons per month; and
 - b. the rolling, 12-month summation of the modified asphalt production rate, in tons per year.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling 12-

month modified asphalt production rate limitation. If no deviations occurred during the reporting period, the permittee shall state so in the report. The permittee shall submit the reports to the Hamilton County Department of Environmental Services. The reports shall be submitted by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter (October through December, January through March, April through June and July through September, respectively).

E. Testing Requirements

1. Emissions Limitation:
Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average

Applicable Compliance Method:
Compliance shall be determined in accordance with 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.
2. Emissions Limitations:
Particulate Emissions and emissions of Particulate Matter less than 10 microns in diameter (PM10) shall not exceed 4.54 pounds per hour.

Organic Compound (OC) emissions shall not exceed 5.95 pounds per hour.

Carbon Monoxide (CO) emissions shall not exceed 2.13 pounds per hour.

Applicable Compliance Method:

If testing is required to demonstrate compliance with the allowable emissions limitations of 4.54 lbs PM/PM10/hr, 5.95 lbs OC/hr or 2.13 lbs CO/hr, then testing shall be conducted using the following method(s): for PM/PM10 Methods 1- 5, for OC Methods 1-4 and 25 and for CO, Methods 1-4 and 10 of 40 CFR part 60, Appendix A.
3. Emissions Limitations:
Particulate Emissions and emissions of Particulate Matter less than 10 microns in diameter (PM10) shall not exceed 2.71 TPY.

Organic Compound (OC) emissions shall not exceed 3.55 TPY.

Carbon Monoxide (CO) emissions shall not exceed 1.27 TPY.

Applicable Compliance Method:
Compliance with the annual PM/PM10, OC, and CO emission limitations in section A.1. of these terms and conditions shall be demonstrated by applying the emission factors in AP-42 Asphalt Roofing for PM/PM10 and CO and the SCC emission factor for OC in the following equations:
 - a. actual production (tons/yr) X EF (26.7 lbs PM/PM10/ton) X control efficiency (1 - 0.98) X ton/2000 lbs = TPY PM/PM10, where the control efficiency for PM/PM10 is from the manufacturer's specifications.
 - b. actual production (tons/yr) X EF (0.7 lbs OC/ton) X ton/2000 lbs = TPY OC.
 - c. actual production (tons/yr) X EF (0.25 lbs CO/ton) X ton/2000 lbs = TPY CO
4. Compliance with the annual modified asphalt production rate of 10155 TPY based upon a rolling, 12-month summation shall be demonstrated by the recordkeeping requirement in C.1.

F. Miscellaneous Requirements

1. None