

Facility ID: 1652050054 Issuance type: Draft 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: 1652050054 Emissions Unit ID: P902 Issuance type: Draft 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>
Asphaltic concrete batch plant; rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper, 172 tons per hour with baghouse	OAC rule 3745-31-05 (PTI 16-532)	18.0 lbs/hr of sulfur dioxide See A.2.a below.
	OAC rule 3745-17-07	20% opacity as a 6-minute average, from the stack, except as provided by rule
	OAC rule 3745-17-08	no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper See A.2.b below.
	OAC rule 3745-17-11	See A.2.b below.
	OAC rule 3745-18-06	0.34 lb CO/ton of asphalt produced
	OAC rule 3745-35-07	Annual emissions from the rotary dryer shall not exceed the following as a rolling, 12-month summation: 79.9 tpy of carbon monoxide 0.04 grain per dry standard cubic foot of exhaust gases (gr/dscf) for particulate matter
Aggregate storage bins and cold aggregate elevator	NSPS (40 CFR Part 60, Subpart I) OAC rule 3745-17-07	20% opacity as a 3-minute average, for fugitive dust
	OAC rule 3745-17-08	The drop height of the front-end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the conveyor loading areas. The aggregate loaded into the feed bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyor and transfer point to the dryer.

2. **Additional Terms and Conditions**
 - (a) The 18.0 lbs/hr limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The emissions limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall only employ natural gas and/or #2 fuel oil to heat the asphalt heater and asphalt dryer.
2. The pressure drop across the baghouse shall be maintained within the range of 2 to 4 inches of water while the emissions unit is in operation.
3. The maximum annual production rate for this emissions unit shall not exceed 470,000 tons of asphalt, based upon a rolling, 12-month summation of the production rates.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the production levels specified in the following table:

Month Maximum Allowable Cumulative Production

1 58,750 tons
 1-2 117,500 tons
 1-3 176,250 tons
 1-4 235,000 tons
 1-5 293,750 tons
 1-6 352,500 tons
 1-7 411,250 tons
 1-8 470,000 tons
 1-9 470,000 tons
 1-10 470,000 tons
 1-11 470,000 tons
 1-12 470,000 tons

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
2. The permittee shall maintain daily records of the following information:
 - a. the asphalt production rate for each day, in tons; and
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative asphalt production rate, in tons, for each calendar month.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels.
3. The deviation (excursion) reports shall be submitted in accordance with Section 3 of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports of the 12-month summation of asphalt production and the carbon monoxide emission rate in tons per year. These reports shall be submitted by January 31 of each year to the Director (District Office or local air agency).

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted both at the beginning of the next asphalt season following the issuance of the permit and within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates and carbon monoxide. The emission testing shall also be conducted to determine the mass emission rate for VOC.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Methods 1-5 of 40 CFR Part 60, Appendix A;
 Method 10 of 40 CFR Part 60, Appendix A; and
 Method 25 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and

date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

3. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test (s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

5. 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:

20% opacity as a 6-minute average

Applicable Compliance Method:

40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1)

Emission Limitation:

79.9 TPY of carbon monoxide

Applicable Compliance Method:

Multiply the tested carbon monoxide emission factor in pound(s) of carbon monoxide per ton of asphalt produced by the maximum allowed asphalt production rate of 470,000 pounds per year and divide by 2000 to convert the result to tons per year.

The carbon monoxide emission factor is a result of the most recent carbon monoxide emissions test.

Emission Limitation:

0.04 gr/dscf

Applicable Compliance Method:

Compliance with the allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

Emission Limitation:

20% opacity as a 3-minute average
no visible emissions of fugitive dust

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)

Emission Limitation:

0.34 lb CO/ton of asphalt produced

Applicable Compliance Method:

Compliance shall be based upon stack testing in accordance with Method 10 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. The following terms and conditions are considered to be federally enforceable: Section A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.