

Facility ID: 0660010245 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: 0660010245 Emissions Unit ID: P903 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>
200 TPH Asphalt Batching Plant	NSPS (40 CFR Part 60, Subpart I) See F.1. OAC rule 3745-17-07 (A)(1) See F.1. OAC rule 3745-31-05 See F.1.	Emissions of particulate matter shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases. Visible emissions shall not exceed 20 percent opacity, as a 6-minute average, from the stack, except as provided by rule. There shall be no visible emissions of fugitive dust from the enclosure for the hot aggregate elevator, vibrating screens, and weigh hopper.
Aggregate storage bins and cold aggregate elevator	OAC rule 3745-31-05 See F.1.	Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average. 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 elevator loading area. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer. See A.2.2.b.

2. **Additional Terms and Conditions**
 - (a) In accordance with OAC rule 3745-31-05, this emissions unit has been approved for the use of recycled asphalt products. The particulate emission limit specified by this rule is less stringent than the NSPS limitation specified above.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 117,647 tons.

NOTE: This operational restriction is necessary in order for the facility to maintain its current status as a "presumed minor" facility for purposes of Engineering Guide 61.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks for any visible particulate emissions from the baghouse. The presence or absence of any visible emissions shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.
2. The permittee shall maintain annual records of the total tons of asphaltic concrete produced in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit reports which (a) identify all days during which any visible particulate emissions were observed from the baghouse and (b) describe the corrective actions taken to eliminate the visible particulate

emissions.

The reports shall be submitted on:

- a. July 15 and shall cover the period from when operation commenced for the calendar year until June 30; and
- b. November 15 and shall cover the period from July 1 until October 31.

If no visible particulate emissions are observed during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed during that period. (These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) if the annual production rate exceeds 117,647 tons. This notification shall be submitted by January 31 following the calendar year during which the exceedance occurred.

In accordance with Engineering Guide 61, the permittee shall either obtain a Federally Enforceable State Operating Permit (FESOP) or submit a complete Title V application within one year after this limit is exceeded.

E. Testing Requirements

1. Within one year prior to the expiration of this permit, the permittee shall conduct, or have conducted, an emission test for this emissions unit in order to demonstrate compliance with the allowable mass emission rate for particulates. The test shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03 while the source is operating at or near maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the field office's refusal to accept the results of the emission test.

Personnel from the Ohio EPA or local air agency shall be permitted to witness the test, examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test shall be submitted within 30 days following completion of the test.

2. Compliance with the visible emission limits shall be determined in accordance with OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The terms and conditions in this State Operating Permit shall supersede all the air pollution control requirements contained in permit to install number 06-226 issued for this emissions unit on June 2, 1976.
2. Potential emissions of NOx and CO from this facility are each greater than 100 tons per year and, therefore, exceed the major source thresholds for Title V applicability.

Actual emissions of NOx and CO from this facility are each less than 20 tons per year based on the emission factors contained in AP-42, Fifth Edition, Table 11.1-7 (for Batch Mix Hot Mix Asphalt Plants) and the information contained in the current permit application for this emissions unit. Ohio EPA Engineering Guide 61 provides that a facility is presumed to have inherent physical limitations if the facility's actual emissions are less than 20% of a major source threshold.

The production levels which demonstrate that actual emissions are less than 20 tpy were calculated using the AP-42 emission factors as follows:

$(20 \text{ tons CO/yr}) \times (\text{ton of asphalt produced}/0.34 \text{ lb CO})^* \times (2000 \text{ lbs/ton}) = 117,647 \text{ tons of asphalt produced/yr}$

$(20 \text{ tons NOx/yr}) \times (\text{ton of asphalt produced}/0.17 \text{ lb NOx})^{**} \times (2000 \text{ lbs/ton}) = 235,294 \text{ tons of asphalt produced/yr}$

* for natural gas-fired dryer

** for oil-fired dryer