

Facility ID: 0684020005 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: 0684020005 Emissions Unit ID: P901 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>
150 tons per hour batch mix hot mix asphalt plant with baghouse; rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper	OAC rule 3745-17-11	Emissions of particulate matter shall not exceed 54.2 pounds per hour.
	OAC rule 3745-17-07	Visible emissions shall not exceed 20 percent opacity, as a 6-minute average from the stack, except as provided by rule.
	OAC rule 3745-17-08	There shall be no visible emissions of fugitive dust from the enclosure for the hot aggregate elevator, vibrating screens, and weigh hopper.
	OAC rule 3745-17-07	Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.
aggregate storage bins and cold aggregate elevator	OAC rule 3745-17-07	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.
	OAC rule 3745-17-08	The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the elevator and the transfer point to the dryer.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 3.0 to 8.0 inches of water while the emissions unit is in operation.
 2. 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 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 annual records of the total tons of asphaltic concrete produced in this emissions unit.

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.

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 daily pressure drops are out of range during a given period, the permittee shall submit a report which states that no daily pressure drops were out of range 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. Compliance with the particulate matter emission limit of 54.2 pounds per hour shall be determined in accordance with OAC rule 3745-17-03. No emission testing is specifically required in order to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A). Such testing may be requested at opacity levels less than those required by the visible emissions limit in Section A.1.
2. Compliance with the visible emission limitations for fugitive dust shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 22.
3. Compliance with the visible emission limitation for stack emissions shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. 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