

Facility ID: 0829790411 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: 0829790411 Emissions Unit ID: P001 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>
Asphaltic Concrete Batch Plant; rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper, 320 tons per hour with baghouse	NSPS (40 CFR Part 60, Sub. I)	0.04 gr/dscf of exhaust gases;
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-31-05 PTI #08-3650	5.06 tons/yr of particulate; 76.8 lbs/hr and 42.0 tons/yr of SO <sub>2</sub> ; 54.4 lbs/hr and 29.75 tons/yr NO <sub>x</sub> ; 14.72 lbs/hr and 8.05 tons/yr OC; 22.08 lbs/hr and 12.08 tons/yr CO The tons/yr limitation is based upon a rolling, 12-month summation.
Aggregate Storage Bins and Cold Aggregate Elevator	OAC rule 3745-17-11	No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
	OAC rule 3745-31-05 PTI #08-3650	Less stringent than the particulate limit above.
	OAC rule 3745-17-07(B)	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.  The visible emissions of fugitive dust shall not exceed 20 percent opacity as a 3-minute average.

**2. Additional Terms and Conditions**

- (a) The 76.8 lbs/hr of SO<sub>2</sub>, 54.4 lbs/hr of NO<sub>x</sub>, 14.72 lbs/hr of OC and 22.08 lbs/hr of CO emissions limitations were 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 these limits. In accordance with PTI #08-3650, this emissions unit has been approved for the use of recycled asphalt products.

**B. Operational Restrictions**

1. The maximum annual production rate for this emissions unit shall not exceed 350,000 tons, based upon a rolling 12-month summation of the production rates.
  2. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than 3 or greater than 6 shall be maintained at all times.
  3. The permittee shall be required to obtain an Ohio EPA permit to install prior to any use of waste oil. Until such time a PTI is obtained, use of waste oil in this emissions unit is prohibited.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall maintain monthly records of the following information:
    - a. The production rate for each month.
    - b. The rolling, 12-month summation of the production rates.
  1. The permittee shall properly operate and maintain a monitoring device capable of accurately measuring the pressure drop across the fabric filter.  
The permittee shall check the pressure drop once a day and maintain daily records of the pressure drop readings.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the above-mentioned allowable pressure drop range for the baghouse.
  2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-months production rate limitation.
- E. Testing Requirements**
1. Compliance Methods
 

Compliance with the emissions limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation-  
0.04 gr/dscf of exhaust gases

Applicable Compliance Method-  
Compliance shall be based upon stack testing per OAC rule 3745-17-03 (B)(10).  
Emission Limitation -  
5.06 tons/yr particulate

Applicable Compliance Method -  
Compliance shall be determined by multiplying the average hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12-month production summation, and dividing by 2,000 lbs/ton. Until additional emission tests are conducted, the average hourly emission rate of 0.0289 lb/ton shall be used in this calculation.  
Emission Limitation -  
76.8 lbs/hr SO<sub>2</sub>

Applicable Compliance Method -  
Compliance shall be determined by multiplying the maximum hourly production rate of 320 tons/hour by the AP-42 emission factor for SO<sub>2</sub> (0.24 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with OAC rule 3745-18-04(E).  
Emission Limitation -  
42.0 tons/yr SO<sub>2</sub>

Applicable Compliance Method -  
Compliance shall be based on the record keeping specified in C.1., multiplying each 12-month production summation by the AP-42 emission factor for SO<sub>2</sub> (0.24 lb/ton), and dividing by 2,000 lbs/ton.  
Emission Limitation -  
54.4 lbs/hr NO<sub>x</sub>

Applicable Compliance Method -  
Compliance shall be determined by multiplying the maximum hourly production rate of 320 tons/hour by the AP-42 emission factor for NO<sub>x</sub> (0.17 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with either USEPA Reference Method 7 or 7A (as appropriate), of 40 CFR Part 60, Appendix A.  
Emission Limitation -  
29.75 tons/yr NO<sub>x</sub>

Applicable Compliance Method -  
Compliance shall be based on the record keeping specified in C.1., multiplying each 12-month summation by the AP-42 emission factor for NO<sub>x</sub> (0.17 lb/ton), and dividing by 2,000 lbs/ton.  
Emission Limitation -  
14.72 lbs/hr OC

Applicable Compliance Method -  
Compliance shall be determined by multiplying the maximum hourly production rate of 320 tons/hour by the AP-42 emission factor for OC (0.046 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with either USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A.  
Emission Limitation -  
8.05 tons/yr OC

## Applicable Compliance Method -

Compliance shall be based on the record keeping specified in C.1., multiplying each 12-month production summation by the AP-42 emission factor for OC (0.046 lb/ton), and dividing by 2,000 lbs/ton.

## Emission Limitation -

22.08 lbs/hr CO

## Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum hourly production rate of 320 tons/hour by the AP-42 emission factor for CO (0.069 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 10, of 40 CFR Part 60, Appendix A.

## Emission Limitation -

12.08 tons/yr CO

## Applicable Compliance Method -

Compliance shall be based on the record keeping specified in C.1., multiplying each 12-month production summation by the AP-42 emission factor for CO (0.069 lb/ton), and dividing by 2,000 lbs/ton.

## Emission Limitation-

20 percent opacity, as a 6-minute average

## Applicable Compliance Method-

OAC rule 3745-17-03(B)(1)

## Emissions Limitation-

20 percent opacity, as a 3-minute average

## Applicable Compliance Method-

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

2. Within 2 years after permit issuance or during production season 2,000 which ever is the earliest, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates. The particulates test(s) shall be conducted in accordance with the test methods and procedures specified in "Method 5 of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

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 emissions unit operating parameters, the time(s) and dates(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 field office's refusal to accept the results of the emissions test(s).

Personnel from the 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 regarding the emissions unit operating parameters.

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

**F. Miscellaneous Requirements**

1. The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC 3745-49-03.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.