

Facility ID: 1431073386 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: 1431073386 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>
Rotary Dryer, Hot Aggregate Elevator, Vibrating Screens and Weigh Hopper w/ Fabric Filter.	OAC rule 3745-31-05 (PTI 14-3756)	10.35 lbs/hr and 13.25 TPY particulate matter (PM) from the fabric filter exhaust stack; 72 lbs/hr and 60 TPY SO ₂ ; 51 lbs/hr and 42.5 TPY NO _x ; 13.8 lbs/hr and 11.54 TPY OC; and 20.7 lbs/hr and 17.25 TPY CO.
	40 CFR Part 60, Subpart I	Visible particulate emissions from the stack shall not exceed 10 percent opacity, as a 6-minute average. 0.04 grains/dry standard cubic foot particulate emissions*
	OAC rule 3745-17-08	There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator(s), vibrating screen(s), and weigh hopper(s).
	OAC rules 3745-17-07 and 3745-17-11	Equally or less stringent than the above limitations.
Aggregate Storage Bins and Cold Aggregate Elevator	OAC rule 3745-17-08 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 emission of fugitive dust from the elevator loading area. The visible emissions of fugitive dust from this operation shall not exceed 20 percent opacity as a 3-minute average.
	OAC rule 3745-17-08(B)	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.

2. **Additional Terms and Conditions**
 - (a) * The NSPS limitation of 0.04 gr/dscf is equivalent to the BAT-based limitation of 10.35 lbs/hr from the fabric filter during maximum production.

B. Operational Restrictions

1. All recycled, used oil burned in this emission unit shall meet the following specifications:

Contaminant/Property Allowable Specification

 - Arsenic 5 ppm, maximum
 - Cadmium 3.33 ppm, maximum
 - Chromium 10 ppm, maximum
 - Lead 67 ppm, maximum
 - PCB's 10 ppm, maximum
 - Total Halogens 4000 ppm, maximum
 - Mercury 1 ppm, maximum
 - Flash Point 100 degrees Fahrenheit, minimum

Heat Content 135,000 BTU/gallon, minimum

* Some or all of these used oil specifications exceed the Resource Conservation & Recovery Act standards of 40 CFR Part 266.40 and OAC rule 3745-58-50, thereby, making the used oil "off-specification."

The used oil shall not corrode steel at a rate greater than one fourth of an inch per year at a temperature of 55 degrees Celsius(130 degrees Fahrenheit).

Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 266.40(c) and OAC rule 3745-58-50. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.

2. The permittee may not receive or burn any used oil which does not meet the specifications listed in this permit without first obtaining a permit to install that authorizes the burning of such used oil.

The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

- a. date of shipment or delivery;
- b. quantity of used oil received;
- c. the BTU value of the used oil;
- d. the flash point of the used oil;
- e. the arsenic content;
- f. the cadmium content;
- g. the chromium content;
- h. the lead content;
- i. the PCB content;
- j. the total halogen content; and
- k. the mercury content.

3. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the process employing the used oil as fuel, or of any storage tanks at this facility. Additionally, this facility shall provide a plan for documenting that the used oil does not contain any hazardous waste as specified under 40 CFR Parts 261 and 279.

The facility shall notify the USEPA and the Ohio EPA that the used oil being burned exceeds used oil specifications. Before this facility accepts the first shipment of off-specification used oil from a marketer, this facility must provide the marketer a one-time written and signed notice certifying that:

- a. the facility has notified USEPA of its used oil management activities and the notice included the location and description of those activities; and
- b. the facility will burn the used oil only in an industrial furnace or boiler identified in accordance with 40 CFR Part 279.

A copy of each certification notice that this facility sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer. The facility shall also submit a copy of each certification notice to the appropriate Ohio EPA District Office.

4. The maximum asphaltic concrete production from this plant shall not exceed 300 tons/hour and 500,000 tons/year (rolling, 12-month summation).
5. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water column while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. This facility shall maintain monthly records of the total amount of asphalt produced, the average hourly asphalt production rate, and the rolling, 12-month production total.
2. The permittee shall properly install, 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.

D. Reporting Requirements

1. This facility shall submit annual reports indicating any exceedance(s) of the production restrictions in section B.4. The reports shall include the actual average hourly and rolling, 12-month production, the cause of the exceedance(s), and corrective action taken to prevent further exceedance(s). If no exceedance(s) occurred, then the reports shall include the rolling, 12-month production summary.

These reports shall be submitted by February 15 of each year and shall cover the previous calendar year.

2. 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 operating restriction specified in section B.5. The reports shall be submitted within 30 days of each occurrence.
3. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(6). Approval of the planned relocation must be obtained from the Hamilton County DOES prior to the relocation.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be demonstrated in

accordance with the following methods:

- a. compliance with stack visible emission limitation(s) shall be demonstrated using the methods and procedures of OAC rule 3745-17-03(B)(1).
 - b. compliance with opacity and "no visible emissions" limitations on fugitive dust emissions shall be demonstrated using the methods and procedures of OAC rules 3745-17-07(B)(3) and 3745-17-03(B)(4), respectively;
 - c. compliance with the PM mass emissions limitation shall be demonstrated through stack testing; and
 - d. compliance with the remaining mass emission limitations shall be demonstrated using emission factors from Volume I, Fifth Edition AP-42 (Hot Mix Asphalt Plants).
2. 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 within 6 months of the issuance of this permit and again within 6 months prior to permit renewal;
 - b. the emission testing shall be conducted to demonstrate compliance with the allowable PM mass emission rate of 10.35 lbs/hr (0.04 gr/dscf);
 - c. the following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for stack emissions of PM, methods 1-5 of 40 CFR Part 60, Appendix A;
 - d. the tests 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.
 3. 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).
 4. 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.
 5. 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.
- F. Miscellaneous Requirements**
1. None