

Facility ID: 1431400140 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: 1431400140 Emissions Unit ID: P905 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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 08-3263)	0.04 grain of particulate emissions (PE) per dry standard cubic foot of exhaust gases  12.1 lbs of PE/hr and 10.10 TPY of PE 19.6 lbs of sulfur dioxide (SO2)/hr and 14.0 TPY of SO2 24.15 lbs of volatile organic compounds (VOC)/hr and 17.25 TPY of VOC 26.25 lbs of nitrogen oxides (NOx)/hr and 18.75 TPY of NOx 123.75 lbs of carbon monoxide (CO)/hr and 86.25 TPY of CO 0.78 lb of lead/hr and 0.7 TPY of lead 0.1 lb of hydrochloric acid (HCl)/hr and 0.09 TPY of HCl
	40 CFR, Part 60, Subpart I	PE limitation is the same as the limitation established pursuant to OAC rule 3745-31-05.  Visible particulate emissions from the stack of the fabric filter shall not exceed 20% opacity, as a six-minute average, except as specified by 40 CFR, Part 60.
	OAC rule 3745-17-07(A)(1)	The visible particulate emission limitation is less stringent than the limitation established pursuant to 40 CFR, Part 60, Subpart I.
	OAC rule 3745-17-11(B)(1)	The PE limitation is less stringent than the limitation established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-18-06(D)(2)	The SO2 emission limitation is less stringent than the limitation established pursuant to OAC rule 3745-31-05.
aggregate storage bins and cold aggregate elevator	OAC rule 3745-31-05 (PTI 08-3263)	Visible particulate emissions from the elevator loading area shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.
	OAC rule 3745-17-07(B)(1)	See Section A.2.a below. Same as the visible particulate emission limitation established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-17-08(B)	Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust. (See section A.2.a below.)

2. **Additional Terms and Conditions**

- (a) The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible particulate 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 particulate emissions of fugitive dust from the elevator and the transfer point to the dryer.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 4.0 to 6.0 inches of water while the rotary dryer, hot aggregate elevator, vibrating screens and/or weigh hopper of this emissions unit is (are) in operation.
2. Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR, Part 266.40(c) and OAC rule 3745-279-10(B)(1)(b). Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 5000 ppm, maximum) only if the supplier ["marketer" in 40 CFR, Part 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.
3. The permittee may not receive or burn any used oil that does not meet the specifications listed in this permit without first obtaining a permit to install that authorizes the burning of such used oil.
4. Annual production of asphalt (based upon a rolling, 12-month summation) shall not exceed 500,000 tons per year.
5. In accordance with permit to install number 08-3263, this emissions unit has been approved for the use of recycled asphalt products.
6. All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Allowable Specification\*

arsenic 5 ppm, maximum  
 cadmium 5 ppm, maximum  
 chromium 25 ppm, maximum  
 lead 150 ppm, maximum  
 PCBs 10 ppm, maximum  
 total halogens 5000 ppm, maximum  
 mercury 1 ppm, maximum  
 flash point 100 degree F, 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 and OAC rule 3745-279-11, thereby, making the used oil off-specification.

The permittee shall follow the requirements of OAC Chapter 3745-279 to burn used oil in this emissions unit.

**C. Monitoring and/or Record Keeping Requirements**

1. 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.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Hamilton County Department of Environmental Services upon verbal or written request. 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 dryer.

2. The permittee shall maintain the following monthly records for this emissions unit:
  - a. the total amount of asphalt produced, in tons; and
  - b. the total amount of asphalt produced, in tons, as a rolling, 12-month summation.
3. 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.

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any rolling, 12-month summation record showing that the production limit was exceeded. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly 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.

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 Department of Environmental Services prior to the relocation.
4. The permittee shall notify USEPA and Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- (a) the permittee has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
- (b) the permittee will burn the used oil only in an industrial furnace or boiler identified in 40 CFR, Part 266.41(b) and OAC rule 3745-50-10.

A copy of each certification notice that the permittee 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.

#### E. Testing Requirements

1. Compliance with OAC rule 3745-17-07(A)(1) shall be determined by the method specified in OAC rule 3745-17-03 (B)(1).
2. Compliance with OAC rule 3745-17-07(B)(1) shall be determined by the method specified in OAC rule 3745-17-03 (B)(3).
3. Compliance with the annual emission limitations shall be determined by the annual production records and the emission factors in AP-42, Chapter 11.1.
4. 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 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the limitation of 0.04 grain of PE per dry standard cubic foot of exhaust gases.

c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: Method 5 of 40 CFR, Part 60, Appendix A. Alternative USEPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.

d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. 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, 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 Hamilton County Department of Environmental Services' refusal to accept the results of the emission test.

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test, 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.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the test and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

5. Compliance with the hourly emission limitations for this unit shall be determined based on either the emission factors from AP-42, Section 11.1, Fifth Edition (revised 12/00) and the maximum hourly production rate or, if required, stack testing conducted in accordance with the appropriate Test Methods in Appendix A of 40 CFR, Part 60.
6. Compliance with the annual production restriction shall be determined by the record keeping requirements in Section C.2.
7. Compliance with the used oil specification shall be determined by the the record keeping requirements in Section C.1.
8. Compliance with the visible particulate emission limitation of 40 CFR, Part 60, Subpart I shall be determined by Method 9 in Appendix A of 40 CFR, Part 60.

#### F. Miscellaneous Requirements

1. None