

Facility ID: 1483110113 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: 1483110113 Emissions Unit ID: P902 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>
300 TPH hot mix asphalt batch plant with drum dryer, hot elevator, vibrating screens, weigh hopper and pugmill; controlled with fabric filter.	OAC rule 3745-31-05 (PTI 14-962)	0.01 lb/hr and 0.008 tpy arsenic; 0.006 lb/hr and 0.005 tpy cadmium; 0.05 lb/hr and 0.042 tpy chromium; 0.60 lb/hr and 0.50 tpy lead; and 7.9 lbs/hr and 6.6 tpy total halogens.
	40 CFR 60, Subpart I	See A.2.a and A.2.b below. 0.04 grain/dry standard cubic foot of exhaust gases of particulates (PM).  Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-07(A)(1)	See A.2.c below.
	OAC rule 3745-17-11(B)	See A.2.c below.
Aggregate storage bins and cold aggregate elevator	OAC rules 3745-17-07(B)(1) and 3745-17-08	See A.2.d below.

**2. Additional Terms and Conditions**

- (a) All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Allowable Specification\*

arsenic 5 ppm, maximum  
cadmium 3.28 ppm, maximum  
chromium 25 ppm, maximum  
lead 291 ppm, maximum  
PCB's 50 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 classifying the used oil as "off-specification."

Additional requirements for any used oil which contains more than 1000 ppm total halogens:

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 3745-58-50. 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 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.

The emission limitations required by this applicable rule are equal to or less stringent than the emission limitations established in accordance with 40 CFR Part 60, Subpart I.

This emissions unit is not located in an Appendix A area as defined in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B) and 3745-17-08 do not apply.

**B. Operational Restrictions**

1. The maximum annual asphalt production rate shall not exceed 500,000 tons per year.
2. The permittee may not receive or burn any used oil which exceeds the requirements of section A.2.a of this permit without first obtaining a permit to install.
3. 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 company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
  - b. the company will burn the used oil only in an industrial furnace or boiler identified in accordance with 40 CFR Part 279 and OAC rule 3745-58-42.

A copy of each certification notice that the permittee provides 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.
4. The pressure drop across the fabric filter shall be maintained within the range of 3 to 7 inches of water column while the emissions unit is in operation.

**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 Director (the appropriate District Office or local air agency) 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 at this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.
2. The permittee shall generate and maintain monthly records of the actual asphalt production, in tons, and the total, annual asphalt production, in tons.
3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter 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 fabric filter on daily basis.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that notify both USEPA and Ohio EPA of any exceedance of the used oil specifications established in this permit.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the operating restriction specified in section B.4 of this permit.
3. The deviation reports shall be submitted in accordance with the requirements specified in Part I: General Term and Condition 3 of this permit.
4. The permittee shall submit annual reports that identify any exceedance(s) of the annual asphalt production rate restriction. The reports shall include the actual monthly and total, annual production, the cause of the exceedance(s), and the corrective action(s) that were taken to prevent further exceedance(s). The reports shall be submitted by January 31 of each year and shall reflect the previous calendar year.

**E. Testing Requirements**

1. Compliance with the emission limitations in section A of these terms and conditions shall be demonstrated in accordance with the following methods:  
Emission Limitation:  
  
0.04 gr/dscf of PM  
  
Applicable Compliance Method:  
  
Compliance shall be demonstrated through emissions testing, utilizing the procedures established in sections E.2 - E.3 of this permit and OAC rule 3745-17-03(B)(10).  
Emission Limitation:  
  
20% opacity as a 6-minute average

## Applicable Compliance Method:

Compliance shall be demonstrated through visible emissions observations, utilizing Method 9 of 40 CFR Part 60, Appendix A, and the procedures established in OAC rule 3745-17-03(B)(1).

## Emission Limitations:

0.01 lb/hr and 0.008 tpy arsenic;  
0.006 lb/hr and 0.005 tpy cadmium;  
0.05 lb/hr and 0.042 tpy chromium;  
0.60 lb/hr and 0.50 tpy lead; and  
7.9 lbs/hr and 6.6 tpy total halogens.

## Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of sections B.1, C.1 - C.2, and D.1 - D.3 of these terms and conditions, based on the emission factors, control efficiencies, and operational parameters submitted in permit-to-install application 14-962, submitted July 3, 1985.

2. Within 3 months after issuance of this permit and again within 6 months prior to expiration of this permit, the permittee shall conduct, or have conducted, emission tests for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates (PM).

The PM test shall be conducted in accordance with the test methods and procedures specified in Methods 1-5 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 Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

3. 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 Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.

F. **Miscellaneous Requirements**

1. None