

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: P903 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>
350 TPH portable drum mix asphalt plant with rotary dryer, hot elevator, vibrating screens and weigh hopper; controlled with fabric filter	OAC rule 3745-31-05 (PTI 14-890)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
		0.04 grain of particulates (PM) per dry standard cubic foot of exhaust.
		See A.2.a below
	40 CFR Part 60, Subpart I	See A.2.b below
	OAC rule 3745-17-07(A)	See A.2.b below
	OAC rule 3745-17-11(A)	See A.2.b below
Aggregate storage bins and cold aggregate elevator	OAC rule 3745-31-05 (PTI 14-890)	Visible particulate emissions of fugitive dust from the elevator loading area shall not exceed 20 percent opacity, as a 3-minute average, except as provided by rule.
	OAC rule 3745-17-07(B)(1)	See A.2.b below
	OAC rule 3745-17-08(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.

2. Additional Terms and Conditions

- (a) The following emission limits shall not be exceeded:
 - a. 0.02 lb/hr of arsenic;
 - b. 0.014 lb/hr of cadmium;
 - c. 1.26 lb/hr of lead;
 - d. 0.112 lb/hr of chromium; and
 - e. 49.6 lbs/hr of total halogens.

The emission limitations required by this applicable rule are equal to or less stringent than the emission limitations established as best available technology under OAC rule 3745-31-05.

B. Operational Restrictions

1. 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
 PCBs 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, making the used oil off-specification.

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 3745-58-50. 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 Part 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.
3. 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.
4. Annual production of asphalt (based upon a rolling, 12-month summation) shall not exceed 500,000 tons per year.
5. The pressure drop across the fabric filter shall be maintained within the range of 4.0 to 6.0 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 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 monthly records of the monthly production and rolling, 12-month production of asphalt, 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 a daily basis, while the emissions unit is in operation.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing that the rolling, 12-month production restriction has been exceeded. The notification shall include a copy of such record and shall describe the corrective action taken to prevent further exceedances. The notification shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall notify the USEPA and the 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 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 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

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.
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). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the appropriate Ohio EPA District Office or local air agency where the plant is to be relocated to prior to the relocation.
4. 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 allowable range specified above. The deviation reports shall be submitted in accordance with the requirements specified in Part I, General Term and Condition

3 of this permit.

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, in accordance with OAC rule 3745-17-03(10) and sections E.2 - E.5 of this permit.
Emission Limitation:

20 percent opacity, as a 6-minute average, from any stack

Applicable Compliance Method:

Compliance shall be demonstrated through visible emissions observations, performed in accordance with OAC rule 3745-17-03(1) and method 9 of 40 CFR Part 60, Appendix A.
Emission Limitation:

20 percent opacity, as a 3-minute average, from the aggregate bins and elevators

Applicable Compliance Method:

Compliance shall be demonstrated through visible emissions observations, performed in accordance with OAC rule 3745-17-03(3) and method 9 of 40 CFR Part 60, Appendix A.
Emission Limitations:

0.02 lb/hr of arsenic;
0.014 lb/hr of cadmium;
0.112 lb/hr of chromium;
1.26 lb/hr of lead; and
49.60 lbs/hr of total halogens.

Applicable Compliance Method:

Compliance shall be demonstrated through meeting the restrictions and record keeping and reporting requirements of sections B.1-B.3, C.1, and D.2 of these terms and conditions, based on the emission factors, control efficiencies, and operational parameters submitted in the application for permit-to-install 14-890.
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 after the issuance of this permit and again within 6 months prior to permit expiration;
 - b. the emission testing shall be conducted to demonstrate compliance with the allowable PM mass emission rate of 0.04 gr/dscf;
 - c. the following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): methods 1-5 of 40 CFR Part 60, Appendix A. Alternative USEPA-approved test methods may be used with prior approval from the Ohio EPA; and
 - d. the test(s) 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.
3. 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 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.
4. 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(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 Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).
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 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