

Facility ID: 1409000029 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: 1409000029 Emissions Unit ID: P902 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 14-883)	See T&C A.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-08(B)	No visible particulate emissions of fugitive dust from the enclosure for the hot aggregate elevator, vibrating screens and weigh hopper.
Aggregate Storage Bins and Cold Aggregate Elevator	OAC rule 3745-17-11(A)	The emissions limit established by this rule is less stringent than those established by OAC 3745-31-05 (BAT).
	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust from the elevator loading area shall not exceed 20 percent opacity, as a 3-minute average, except as specified by rule.
	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 emissions from this emissions unit shall not exceed the following:
    - Arsenic: 0.02 LB/HR, 0.02TPY
    - Cadmium: 0.013 LB/HR, 0.01 TPY
    - Chromium: 0.10 LB/HR, 0.08 TPY
    - Lead: 1.18 LBS/HR, 1.0 TPY
    - Total Halogens: 16.2 LBS/HR, 13.5 TPY
    - PM-PM10: 26.7 LBS/hr, 22.3 TPY.

**B. Operational Restrictions**

1. Specifications for the Used Oil Burned in the Dryer
 

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, 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, this 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 Hazardous Waste Management that the used oil does not contain any hazardous waste.

2. This 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.
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, the permittee 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 permittee shall also submit a copy of each certification notice to the Ohio EPA field office.

4. The maximum asphaltic concrete production from this plant shall not exceed 300 tons per hour and 500,000 tons per year based on a rolling 12-month total.
5. 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 1 inch of water or greater than 6 inches of water shall be maintained at all times.

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

1. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created, unless otherwise specified in this permit. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
2. This facility shall maintain monthly records of the total amount of asphalt produced. After the first 12 calendar months of operation following the issuance of this permit, the facility shall also record the rolling 12-month production total for each month.
3. 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.

4. 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. This facility shall submit quarterly reports indicating any exceedances of the above-mentioned production limits along with the cause of the exceedance and corrective action taken to prevent further exceedances. The quarterly reports shall include the rolling, 12-month asphalt production total.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the previous three calendar months.

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 quarterly deviation (excursion) reports which identify all exceedances of the allowable baghouse pressure drop range.

**E. Testing Requirements**

1. Compliance with the visible particulate emissions limitation from the dryer stack shall be demonstrated by the methods outlined in OAC 3745-17-03(B)(1).
2. Compliance with the fugitive visible particulate emissions limitation shall demonstrated by the methods outlined in OAC 3745-17-07(B)(3).
3. Within approximately 2.5 years after permit issuance and within 6 months prior to permit expiration, the permittee shall conduct, or have conducted, an emission test for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulate matter. The particulate matter test shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03(B)(10) 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).

4. Compliance with the emission limitations in Term A.2.a shall be demonstrated by the compliance with term C.1 which is demonstrated by recordkeeping in term C.3.

**F. Miscellaneous Requirements**

1. If probable cause exists indicating the emissions unit is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3475-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this emissions unit into compliance.