

Facility ID: 0250110271 Issuance type: Final State Permit To Operate

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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: 0250110271 Emissions Unit ID: P901 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>
120 TPH Barber Greene DC-65 hot mix batch asphalt plant including rotary dryer, hot aggregate elevator, vibrating screens, weigh hopper, controlled by a cyclone and a wet scrubber	OAC rule 3745-17-11(B)	53.13 lbs of particulate emissions (PE)/hr
This plant also includes aggregate storage bins and cold aggregate elevator.	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.
	OAC rule 3745-17-07(A)	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.
	OAC rule 3745-17-07(B)	Visible emissions from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-18-06(E)	Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a three-minute average. 741.61 lbs/hr of sulfur dioxide (SO2) emissions

2. Additional Terms and Conditions

- (a) The permittee is permitted to use natural gas, #2 fuel oil, or on-spec used (waste) oil in this unit. All on-spec used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Allowable Specifications

- arsenic 5 ppm, maximum
- cadmium 2 ppm, maximum
- chromium 10 ppm, maximum
- lead 100 ppm, maximum
- PCB's 50 ppm, maximum
- total halogens 4000 ppm maximum
- mercury 1 ppm, maximum
- flash point 100oF, minimum
- heat content 135,000 Btu/gallon, minimum

On-spec used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under OAC rule 3745-279. Therefore, the permittee may receive and burn on-spec used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the on-spec used oil does not contain any hazardous waste.

The permittee shall ensure that the dust control equipment is operated with sufficient air volume to

minimize or eliminate visible particulate emissions of fugitive dust at the point of capture to the extent possible with good engineering design.

The permittee may not receive or burn any on-spec used oil which does not meet the specifications listed in A.2.b. of this permit without first obtaining a permit to install that authorizes the burning of such off-specification used oil. The burning of off-specification used oil is subject to OAC rule 3745-279-60 through 67.

All aggregate transferred to the elevated storage bins shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust.

During the loading of the aggregate conveyor or storage bins, the drop height of the front-end loader shall be minimized in order to minimize or eliminate the visible emissions of fugitive dust.

B. Operational Restrictions

1. The permittee shall continuously maintain the water flow rate and water supply pressure for the scrubber within levels established during the most recent compliance test that demonstrated compliance for this unit, at all times while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor and record the water supply pressure and the water flow rate while the emissions unit is in operation. The monitoring devices and recorder(s) shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. the water supply pressure, in psig; and
 - b. the water flow rate, in gpm.
2. The permittee shall maintain monthly records of the type(s) of fuel(s) burned during each calendar month.
 3. The permittee shall collect or require the oil supplier to collect a representative grab sample of each shipment of #2 fuel oil or used oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content (percent) and heat content (Btu/gallon) in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Ohio EPA Northeast District Office. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, and the permittee's or oil supplier's analyses for sulfur content and heat content.
 4. The permittee shall receive a chemical analysis with each shipment of on-spec 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 on-spec used oil received;
 - c. the Btu value of the on-spec used oil;
 - d. the flash point of the on-spec 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 Ohio EPA, Northeast District Office 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.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels contained in this permit:
 - a. the water supply pressure; and
 - b. the scrubber water flow rate.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, #2 fuel oil, and/or used oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall notify the USEPA and the Ohio EPA if any of the on-spec used oil exceeds the on-spec used oil specifications found in OAC rule 3745-279-11. If the permittee is burning on-spec used oil which exceeds the specifications found in OAC rule 3745-279-11, the permittee is subject to that rule and must comply with all

provisions of that rule. The required notification shall be submitted within 30 days of the date in which the exceedance occurred.

E. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

53.13 lbs of PE/hr

Applicable Compliance Method:

Compliance with the hourly PE limitation above shall be determined through stack testing as specified in section E.2. below.

Emission Limitation:

Visible emissions from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a three-minute average.

Applicable Compliance Method:

Compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A with the modifications listed in OAC rule 3745-17-03(B)(3).

Emission Limitation:

741.61 lbs/hr of SO₂ emissions

Applicable Compliance Method:

Compliance with the hourly SO₂ emission limitation above shall be determined by multiplying the maximum production rate of the emissions unit (120 tons/hr) by an emission factor of 0.088 lbs/ton of asphalt produced (from AP-42 "Compilation of Air Pollutant Emission Factors," Table 11.1-5, dated 3/04).

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 six (6) months prior to expiration of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitation for PE.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Methods 1 through 5 of 40 CFR, Part 60, Appendix A

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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 Ohio EPA's Northeast District Office.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA's Northeast District Office. 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's Northeast District Office's refusal to accept the results of the emission test(s).

f. Personnel from the Ohio EPA's Northeast District Office 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.

g. 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 Ohio EPA's Northeast District Office 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 Ohio EPA's Northeast District Office.

F. Miscellaneous Requirements

1. In accordance with Engineering Guide #61, the permittee must maintain actual facility emissions below twenty percent of all major regulated pollutant thresholds to avoid Title V applicability.

If actual emissions for any calendar year exceed twenty percent of any major regulated threshold, the permittee will have one year to obtain a federally enforceable State operating permit (FESOP) or submit a complete Title V permit application.