Facility ID: 0819010076 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

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Asphaltic Concrete Batch Plant; Rotary Dryer, Hot Aggregate Elevator, Vibrating Screens, and Weigh Hopper, 300 tons per hour with baghouse.	OAC rule 3745-17-07;	less than or equal to 20 percent opacity, as a 6-minute average, from the stack, except as provided by rule
	OAC rule 3745-17-11	63.0 lbs/hr and 52.50 tons/yr of particulates;
	OAC rule 3745-31-05 PTI 08-3265	0.67 lb/hr and 0.60 ton/yr of Lead; 72.0 lbs/hr and 60.0 tons/yr of SO2; 13.8 lbs/hr and 11.50 tons/yr of OC; 51.0 lbs/hr and 42.50 tons/yr of NOx; 20.7 lbs/hr and 17.25 tons/yr of CO; 0.1 lb/hr and 0.09 ton/yr of HCL; The above tons/yr limitations are rolling, 12-month summations.
		No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.

2. **Additional Terms and Conditions**

   (a) The 72.0 lbs/hr of SO2, 13.8 lbs/hr of OC, 51.0 lbs/hr of NOx, 20.7 lbs/hr of CO, 0.67 lb/hr of lead, and 0.1 lb/hr of HCL emissions limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.
   In accordance with PTI # 08-3265, this emission unit has been approved for the use of recycled asphalt products.

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 Specifications*

   arsenic 5 ppm, maximum
   cadmium 5 ppm, maximum
   chromium 25 ppm, maximum
   lead 150 ppm, maximum
   PCB's 10 ppm, maximum
   total halogens 5000 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. The permittee may not receive or burn any used oil which does not meet the specifications listed above. An exceedance would be considered a violation of OAC 3745-31-02.

3. 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, 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 266.43(a)] has demonstrated to Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

4. Used Oil On-Site Sampling/Analytical Requirements

   The permittee shall sample each incoming shipment of used oil. The sampling frequency for used oil shall be one properly labelled 500 ml sample for each truck or container delivery. The sample shall be taken and retained for at least 60 days.

   The Regional Air Pollution Control Agency may require and/or conduct periodic, detailed chemical analyses through an independent laboratory of any used oil received at this facility; of any sample retained, as required above; and of any storage tanks at this facility.

5. The maximum annual production rate for this emissions unit shall not exceed 500,000 tons, based upon a rolling, 12 month summation of the production rates.

6. 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 3 inches or greater than 6 inches of water shall be maintained at all times.

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 Ohio EPA 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 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 following information:

   a. The production rate for each month.

   b. The rolling, 12-month summation of the production rates (beginning the 13th calendar month after the issuance of the permit to install, No. 08-3265, issued 5/15/95).

3. 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. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12 month production rate limitation.

2. The permittee shall notify the USEPA and the Ohio EPA (appropriate DO or LAA) 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 deviation (excursion) reports which identify all exceedances of the above-mentioned allowable pressure drop range for the baghouse.

E. **Testing Requirements**

1. Compliance Methods

Compliance with the emissions limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation-
63.0 lbs/hr of particulate

Applicable Compliance Method-
Compliance shall be based upon stack testing per OAC rule 3745-17-03(B)(10).

Emissions Limitation-
52.50 tons/yr of particulate

Applicable Compliance Method-
Compliance shall be determined by multiplying the average hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12-month production summation, and dividing by 2,000 lbs/ton. Until additional emission tests are conducted, the average emission rate of 0.21 lb/ton shall be used in this calculation.
Emissions Limitation-
0.67 lb/hr of lead

Applicable Compliance Method-
Compliance shall be based upon stack testing employing USEPA Reference Method 12 of 40 CFR Part 60, Appendix A.

Emissions Limitation-
0.60 ton/yr of lead

Applicable Compliance Method-
Compliance shall be determined by multiplying the average hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12-month production summation, and dividing by 2,000 lbs/ton. Until additional emissions tests are conducted, the average emission rate of 0.0022 lb/ton shall be used in this calculation.
Emissions Limitation-
72.0 lbs/hr of SO2

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly production rate of (300 tons/hr) by the AP-42 emission factor for SO2 (0.24 lb/ton). If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-18-04(E).

Emissions Limitation-
60.0 tons/yr of SO2

Applicable Compliance Method-
Compliance shall be based on the record keeping specified in C.2, multiplying each 12 - month production summation by the AP-42 emission factor for SO2 (0.24 lb/ton) and dividing by 2,000 lbs/ton.
Emissions Limitation-
13.8 lbs/hr of OC

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly production rate of (300 tons/hr) by the AP-42 emission factor for OC (0.046 lb/ton) . If required, compliance shall be based on conducting a stack test in accordance with either USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
11.50 tons/yr of OC

Applicable Compliance Method-
Compliance shall be based on the record keeping specified in C.2, multiplying each 12-month production summation by the AP-42 emission factor for OC (0.046 lb/ton) and dividing by 2,000 lbs/ton.
Emissions Limitation-
51.0 lbs/hr of NOx

Applicable Emissions Limitation-
Compliance shall be determined by multiplying the maximum hourly production rate of (300 tons/hr) by the AP-42 emission factor for NOx (0.17 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 7, or 7A (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
42.50 tons/yr of NOx

Applicable Compliance Method-
Compliance shall be based on the record keeping specified in C.2, multiplying each 12-month production summation by the AP-42 emission factor for NOx (0.17 lb/ton) and dividing by 2,000 lbs/ton.
Emissions Limitation-
20.7 lbs/hr of CO

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly production rate of (300 tons/hr) by the AP-42 emission factor for CO (0.069 lb/ton). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 10, of 40 CFR Part 60, Appendix A.

Emissions Limitation-
17.25 tons/yr of CO

Applicable Compliance Method-

Compliance shall be based on the record keeping specified in C.2, multiplying each 12-month production summation by the AP-42 emission factor for CO (0.069 lb/ton) and dividing by 2,000 lbs/ton.
Emissions Limitation-
0.1 lb/hr of HCL

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly production rate of (300 tons/hr) times an emission factor of (0.000296 lb/ton). (This emission factor was determined from a stack test conducted on Valley Asphalt's plant # 6, Ohio EPA ID 0857101899. If required, compliance shall be based on conducting a stack test in accordance with either USEPA Reference Method 26 or 26A (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
0.09 ton/yr of HCL

Applicable Compliance Method-
Compliance shall be based on the record keeping specified in C.2, multiplying each 12 - month production summation by the (0.000296 lb/ton) emissions factor and dividing by 2,000 lbs/ton.
Emissions Limitation-
20 percent opacity as a 6-minute average

Applicable Compliance Method-
OAC rule 3745-17-03(B)(1)

2. Within 6 months prior to permit expiration, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates. The particulates test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 5, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

Within 6 months prior to permit expiration, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for lead. The lead test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 12, 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 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).

F. **Miscellaneous Requirements**

1. The permittee shall comply with any applicable state and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the emissions unit.

2. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.