

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: P906 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 Controlled with Fabric Filter	OAC rule 3745-31-05 (PTI 14-3898)	7.0 lbs/hr particulate matter (PM) from the fabric filter exhaust stack; 15.75 lbs/hr and 11.25 TPY PM (stack and fugitive); 5.04 lbs/hr and 3.6 TPY PM10 (stack and fugitive); 84 lbs/hr and 60 TPY SO ₂ ; 59.5 lbs/hr and 42.5 TPY NO _x ; 24.2 lbs/hr and 17.3 TPY CO; and 16.1 lbs/hr and 11.5 TPY VOC.
	40 CFR Part 60, Subpart I	Visible emissions of PM from any stack shall not exceed 10 percent opacity, as a 6-minute average.
	OAC rules 3745-17-07(A) and 3745-17-11	0.04 gr/dscf PM from baghouse exhaust* Less stringent than the above requirements.
	OAC rule 3745-17-08(B)	No visible 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 3745-31-05 (PTI 14-3898)	8.75 lbs/hr and 6.25 TPY PM
	OAC rule 3745-17-08 OAC rule 3745-17-07	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. Visible emissions of fugitive dust from this operation shall not exceed 20 percent opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	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 NSPS limit of 0.04 gr/dscf is less stringent than the BAT-based limit of 7.0 lb/hr under normal operating conditions.

B. Operational Restrictions

1. The total production of asphaltic concrete shall not exceed 500,000 tons per rolling, 12-month period.
2. The emissions unit shall use only No. 2 fuel oil with a sulfur content not to exceed 0.3%.
3. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water column while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. Valley Asphalt Corporation shall maintain records documenting that the fuel oil complies with the 0.3% sulfur

content limit. For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample. The permittee shall perform or require the supplier to perform an analysis for sulfur content in accordance with the following ASTM methods: ASTM method D4292, ASTM method D240, or ASTM method 6010. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency. The permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

2. Valley Asphalt Corporation shall maintain monthly records indicating the tons of asphalt product produced and the rolling, 12-month total production.
3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse 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 baghouse on a daily basis.

D. Reporting Requirements

1. This facility shall submit deviation (excursion) reports that identify any exceedances of the rolling, 12-month production restriction specified in section B.1. The reports shall include the actual rolling, 12-month production, the cause of the exceedance, and the corrective action(s) taken. These reports shall be submitted within 30 days of the exceedance.
2. This facility shall submit annual reports that specify the 12-month production rate. The reports shall be submitted by February 15 of each year and shall cover the previous calendar year.
3. This facility shall submit deviation (excursion) reports that identify any exceedances of the 0.3% sulfur content limit on fuel oil and/or any daily pressure drop readings outside the operating range of 1 to 6 inches of water column. These reports shall be submitted within 30 days of the exceedance(s).
4. This facility 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)(1)(p). Approval of the planned relocation must be obtained from the appropriate Ohio EPA District Office or local air agency prior to the relocation.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. compliance with the stack visible emissions limitation shall be demonstrated in accordance with the test method and procedures of OAC rule 3745-17-03(B)(3);
 - b. compliance with the opacity and "no visible emissions" limitations for fugitive dust shall demonstrated in accordance with the test methods and procedures of OAC rules 3745-17-07(B)(3) and 3745-17-03(B)(4), respectively;
 - c. compliance with the fugitive PM mass emission limitations shall be calculated using the emission factors detailed in RACM table 2.21-1;
 - d. compliance with the PM mass emission limitation from the fabric filter exhaust shall be demonstrated through stack testing; and
 - e. compliance with the remaining emission limitations shall be demonstrated through calculations using the appropriate emission factors from Volume 1, Fifth Edition AP-42 (Hot Mix Asphalt Plants).
2. Within 30 days of start-up in Ohio and again within 6 months prior to the expiration of this permit, this facility shall conduct, or have conducted, emissions tests for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions tests shall be conducted using methods 1-5 of 40 CFR Part 60, Appendix A. The tests shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
3. Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).
4. Personnel from the appropriate 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 emissions test(s) shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

F. Miscellaneous Requirements

1. None