

Facility ID: 1431403186 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.

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Facility ID: 1431403186 Emissions Unit ID: F014 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>
portable recycled asphalt processing plant	OAC rule 3745-31-05(A)(3) (PTI 14-4722)	0.57 lb of particulate emissions (PE)/hr* 0.43 ton per year (TPY) of PE
		0.28 lb of particulate matter with a diameter of 10 microns or less (PM10)/hr* 0.21 TPY of PM10
		See Section A.2 below.
	40 CFR, Part 60, Subpart OOO	* The hourly PE and PM10 emission limitations specified above are based upon the emission unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits. The visible PE limitations specified by this rule are the same as the visible PE limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The control measures specified by this rule are the same as the control measures established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-17-07(B)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) Fugitive PE from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated with water, shall not exceed 10 percent opacity, as a six-minute average, except as provided by 40 CFR, Part 60.672.  
 Fugitive PE from any crusher shall not exceed 15 percent opacity, as a six-minute average.  
 Fugitive PE from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process water saturated material in the production line up to the next crusher, grinding mill or storage bin shall not exceed 0 percent opacity, as a six-minute average.  
 Fugitive PE from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process water saturated materials up to the first crusher, grinding mill, or storage bin in the production line shall not exceed 0 percent opacity, as a six-minute average.  
 Water sprays shall be operated at points necessary to ensure compliance with the visible PE for crushing, transfer points, screening, and conveying operations.  
 Recycled asphalt product loaded onto trucks shall have a moisture content sufficient to minimize visible PE of fugitive dust and the loading drop height shall not exceed fifteen (15) feet.  
 The permittee shall take all steps necessary to ensure the product maintains sufficient moisture, so as to minimize or eliminate any visible PE of fugitive dust.

**B. Operational Restrictions**

1. The maximum production rate for this emissions unit shall not exceed 200 tons of recycled asphalt per hour and 300,000 tons of recycled asphalt per year.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall maintain daily records of the following information for this emissions unit:
    - a. the amount, in tons, of recycled asphalt processed;
    - b. the number of hours this emissions unit was in operation; and
    - c. the average hourly recycled asphalt production rate, in tons per hour (a/b).
  2. The permittee shall maintain monthly records that specify the total amount, in tons, of recycled asphalt processed.
  3. The permittee shall maintain annual records that specify the total amount, in tons, of recycled asphalt processed.
  4. The permittee shall perform weekly inspections, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from this emissions unit. The presence or absence of any visible PE shall be noted in an operations log. If visible PE are observed, the permittee shall also note the following in the operations log:
    - a. the location and color of the emissions;
    - b. whether the emissions are representative of normal operations;
    - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
    - d. the total duration of any abnormal visible emission incident; and
    - e. any corrective actions taken to eliminate the abnormal visible emissions.
- D. Reporting Requirements**
1. The permittee shall notify the Hamilton County Department of Environmental Services of any daily record showing an exceedance of the allowable hourly recycled asphalt rate restriction (200 tons per hour). The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.
  2. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible PE were observed from the emissions unit and (b) describe any corrective actions taken to eliminate the abnormal visible PE. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.
  3. This permittee shall submit annual reports that summarize the total amount, in tons, of recycled asphalt produced. The reports shall be submitted by January 31 of each year and cover the previous calendar year.
- E. Testing Requirements**
1. Compliance with the emission limitations specified in Sections A.1 and A.2, and the recycled asphalt production rate restrictions specified in Section B.1 shall be determined by the following methods:
    - a. Emission Limitations: 0.57 lb of PE/hour; 0.28 lb of PM10/hr  
  
 Applicable Compliance Method: Compliance with the hourly PE limitation shall be determined by multiplying the maximum hourly asphalt production rate (200 tons per hour) by the appropriate emission factors as specified in AP-42, Table 11.19.2-2 (revised 1/95), Emission Factors for Crushed Stone Processing. Compliance with the hourly PM10 emission limitation shall be determined by estimating the PM10 emissions to be 49% of the hourly PE.
    - b. Emission Limitations: 0.43 TPY of PE; 0.21 TPY of PM10  
  
 Applicable Compliance Method: The annual PE limitation was established by multiplying the maximum annual asphalt production rate (300,000 TPY) by the appropriate emission factors as specified in AP-42, Table 11.19.2-2 (revised 1/95), Emission Factors for Crushed Stone Processing Operations. The annual PM10 emission limitation was established by estimating the PM10 emissions to be 49% of the annual PE.
    - c. Emission Limitations: visible PE shall not exceed: 10% opacity from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated with water; 15% opacity from any crusher; 0% opacity from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process water saturated material in the production line up to the next crusher, grinding mill or storage bin; 0% opacity from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process water saturated materials up to the first crusher, grinding mill, or storage bin in the production line.  
  
 Applicable Compliance Method: Compliance with the visible PE limitations shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.
    - d. Recycled Asphalt Production Rate Restrictions: 200 lbs per hour; 300,000 tons per year  
  
 Applicable Compliance Method: Compliance with the hourly and annual recycled asphalt production restriction rates shall be determined by the record keeping performed pursuant to Sections C.1 and C.3.
- F. Miscellaneous Requirements**
1. The permittee shall comply with all applicable miscellaneous requirements of 40 CFR, Part 60, Subpart OOO.
  2. Notice to Relocate a Portable Source  
  
 Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met:
    - a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;

- b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
  - c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site, within a minimum of thirty days prior to the scheduled relocation; and
  - d. In Hamilton County Department of Environmental Services' and the appropriate Ohio EPA field office's judgment, the proposed site is acceptable under OAC rule 3745-15-07.
- In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI provided the following criteria of OAC rule 3745-31-05(F) are met:
- e. The permittee possesses an Ohio EPA PTI, PTO or registration status for the portable emissions unit;
  - f. The portable emissions unit is equipped with best available technology;
  - g. The permittee has identified the proposed site to Ohio EPA;
  - h. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
  - i. A public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
  - j. The owner of the proposed site has provided the permittee with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
  - k. The permittee has provided Ohio EPA with fifteen days written notice of the relocation.
3. Any site approval issued by Ohio EPA, pursuant to F.2. above, shall be valid for no longer than three years and is subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee must file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site. Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in civil penalties.

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**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>
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**2. Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

- 1. None

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

- 1. None

D. **Reporting Requirements**

- 1. None

E. **Testing Requirements**

- 1. None

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1431403186 Emissions Unit ID: F016 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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- 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>
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2. **Additional Terms and Conditions**

- (a) None

B. **Operational Restrictions**

- 1. None

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

- 1. None

D. **Reporting Requirements**

- 1. None

E. **Testing Requirements**

- 1. None

F. **Miscellaneous Requirements**

- 1. None