

Facility ID: 0228000039 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: 0228000039 Emissions Unit ID: P002 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>
Interna Banbury Mixer (model No. 11-D-70AD1575) with a 8,700 acfm Baghouse Control	OAC rule 3745-17-07 (A)	Visible particulate emissions from the exhaust of baghouse shall not exceed twenty percent (20%) opacity as a 6-minute average.
	OAC rule 3745-17-11	Particulate emissions from this emissions unit shall not exceed 7.58 lbs per hour.
	OAC rule 3745-21-07 (G)(2)	Organic compound emissions from this emissions unit shall not exceed 8 pounds per hour and 40 pounds per day.

See section A.2.a of these terms and conditions.

2. **Additional Terms and Conditions**
  - (a) This emissions unit becomes subject to OAC 3745-21-07(G)(2) on any day when any photochemically reactive material is employed.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 8 inches of water 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 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 weekly basis.
2. The permittee shall keep the following records each day for this emissions unit:
  - a. The name and identification of each material employed in this emissions unit and its physical state.
  - b. For each liquid organic material, an indication of whether or not the material is a photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(5).
3. For each day during which a photochemically reactive material is employed, the permittee shall keep the following records each day for this emissions unit:
  - a. The total amount of each material employed in this emissions unit, defined as "Wm", in unit of pounds per day.
  - b. The total daily OC emissions, defined as OCd, from this emissions unit, in pounds per day. The OCd shall be calculated by the following equation:

$$OCd = \text{the sum, from } i = 1 \text{ to } i = n, \text{ of } (Wm)_i, \text{ times EF}$$

where,  
 EF = worst case emissions factor,  $4.44 \times 10^{-4}$  pound OC emissions per pound of raw materials input, from AP - 42, June 1999, section 4.12, Manufacture of Rubber Products.

i = subscript denoting an individual material; and  
n = the total number of different materials

c. For each day during which a photochemically reactive material is employed, the total number of hours this emissions unit was in operation, "OT", in hours per day.

d. For each day during which a photochemically reactive material is employed, the average hourly OC emission rate, in pounds per hour, to be defined as "OCh" and calculated as follows:

$$\text{OCh} = (\text{OCd})/(\text{OT})$$

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. For the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from this emissions unit exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
  - b. For the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from this emissions unit exceeded 40 pounds per day, and the actual OC emissions for each such day.
  - c. An identification of all periods of time during which the pressure drop across the dust collector did not comply with the allowable range specified in B.1 of these terms and conditions.
2. All deviation (excursion) reports shall be submitted in accordance with section B.3 of the General Terms and Conditions.

**E. Testing Requirements**

1. Compliance with the allowable emission limits in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
20% opacity as a 6-minute average from the stack  
  
Applicable Compliance Method:  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(1) using the test methods and procedures specified in U. S. EPA Reference Method 9.
  - b. Emission Limitation:  
7.58 lbs/hr of PE  
  
Applicable Compliance Method:  
Compliance shall be determined by particulate emission tests performed in accordance with OAC rule 3745-17-03 (B)(10) using the methods and procedures specified in U. S. EPA Reference Methods 1 - 5, if required by Ohio EPA.
  - c. Emission Limitation:  
8 lbs/hr and 40 pounds per day of OC  
  
Applicable Compliance Method:  
Compliance shall be determined based upon the record keeping requirements specified in section C.3 of these terms and conditions.

**F. Miscellaneous Requirements**

1. None