Facility ID: 0228000185 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: 0228000185 Emissions Unit ID: P001 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
1 Littleford FMK 1200-E mixer with manual charging and discharging. Emissions are controlled by a 10,000 cfm baghouse`	OAC rule 3745-17-07 (A)	Visible particulate emissions from stack associate with this emissions unit shall not exceed twenty percent (20%) opacity as a six minute average.
	OAC rule 3745-17-11	Particulate emissions generated by operating this emissions unit shall not exceed 1.34 pounds per hour.
	OAC rule 3745-31-05 (A)(3) PTI No. 02-01687	Particulate emissions generated by operating this emissions unit shall not exceed 1.12 tons per year. Organic compound (OC) emissions shall not exceed 6.04 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07 (A), OAC rule 3745-17-07 (B)(1), and OAC rule 3745-17-08 (B).
	OAC rule 3745-21-07 (G)(2)	Exempt. See section A.2.a of these terms and conditions.
	OAC rule 3745-17-07 (B)(1)	Visible emissions of fugitive dust from this emissions unit shall not exceed 20 percent (20%) opacity as a three-minute average.
	OAC rule 3745-17-08 (B)	See section B.1 of these terms and conditions.

2. **Additional Terms and Conditions**

   (a) This emissions unit shall not employ organic liquids which are photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5).

B. **Operational Restrictions**

1. The permittee shall not operate this emissions unit without taking or installing reasonably available control measures to prevent fugitive dust from becoming airborne. Such reasonably available control measures shall include, but not be limited to the following which are appropriate to minimize or eliminate visible particulate emissions of fugitive dust:

   a. The installation and use of hoods, fans, and a baghouse to adequately enclose, contain, capture, vent and control the fugitive dust. The collection efficiency shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the points of capture to the extent possible with good engineering design; and

   b. The negative pressure baghouse shall be controlled at 0.5 - 8.0 inch of water.

   c. The pulse-jet cartridge of the baghouse shall be cleaned with biocel after-filters.

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

1. The permitee shall keep the following information each month to ensure compliance with OC emissions limitation:

   a. The name and identification number of each organic compound material, including cleanup material,

employed in this emissions unit;

b. The OC content of each organic compound material, in pounds per gallon;

c. The volume of each OC material employed in this emissions unit, in gallon;

d. The total amount of OC materials employed in this emissions unit, in pounds;

e. The total amount of OC materials discharged from this emissions unit, in pounds;

f. The total amount of OC emissions from this emissions unit, (d) - (e), in pounds;

g. The total operating hours of this emissions unit;

h. The rolling 12-month summation of OC emissions from this emissions unit, in tons per rolling 12-month.

2. The permittee shall keep the following records on all materials used in this emissions unit:

a. The identification of the chemical compound and its physical state.

b. For any liquid organic materials, whether or not the material is a photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(5).

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information for this emissions unit:

a. An identification of each day during which any photochemically reactive materials were employed, and the actual amount, in pounds per day, of photochemically reactive materials employed.

b. An identification of each month during which the rolling 12-month summation of OC emissions did not comply with the allowable OC emisssions limitation specified in section A.1.b of these terms and condition.

2. All deviation (excursion) reports shall be submitted in accordance with Section 3.b of the General Terms and Conditions.

E. **Testing Requirements**

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

a. Emission Limitation:
6.04 tons per year of OC emissions

Applicable Compliance Method:
Compliance shall be determined based upon record keeping requirements specified in section C.1 of these terms and conditions.

b. Emission Limitation:
1.34 pounds per hour of particulate emissions

Applicable Compliance Method:
Compliance shall be determined in accordance with OAC rule 3745-17-03 (B)(10)(a), if required by Ohio EPA.

c. Emission Limitation:
1.12 tons per year of particulate emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the particulate pounds per hour emission rate for this emissions unit in accordance with the most recent compliance stack test, times annual operating hours, and dividing by 2000 pounds per ton.

d. Emission Limitation
20% opacity as a 6-minute average

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.

e. Emission Limitation
20% opacity as a 3-minute average

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(3) using the test methods and procedures specified in U.S. EPA Reference Method 9.

F. **Miscellaneous Requirements**

1. None