

Facility ID: 0228000046 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.

[Go to Part II for Emissions Unit P002](#)
[Go to Part II for Emissions Unit P010](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0228000046 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>
P002 - A 2.14 tons per hour Banbury Mixer (Mixer 11A). Emissions are controlled by a 7,700 cfm baghouse.	OAC rule 3745-31-05(A)(3) (PTI 02-2313)	Particulate emissions shall not exceed 0.03 grain per dry standard cubic foot of exhaust gases and 5.94 tons per year.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack associated with this emissions unit shall not exceed twenty percent (20%) opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while this 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 pressure drop across the baghouse shall be maintained within the range of 0.5 to 2.0 inches of water while this emissions unit is in operation.
3. Permittee shall keep a log of total annual operating hours for this emissions unit.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section C.2 of these terms and conditions.
2. All deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions.

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 methods:
 Emission Limitation:

 Visible particulate emissions from any stack associated with this emissions unit shall not exceed twenty percent (20%) opacity as a 6-minute average, except as provided by the rule.

 Applicable Compliance Method:

Compliance shall be demonstrated by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(1) using the test methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

Emission Limitation:

Particulate emissions shall not exceed 0.03 grain per dry standard cubic foot of exhaust gases.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emission test in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5.

Emission Limitation:

Particulate emissions shall not exceed 5.94 tons per year.

Applicable Compliance Method:

Compliance shall be determined based upon the following equation:

$$AE = (SE)(FR)(60 \text{ min/hr})(OH)/(7,000 \text{ gr/lb})(2,000 \text{ lbs/ton})$$

where:

AE = annual particulate emission rate, in tons per year;

FR = gas flow rate = 7,700 cubic foot per minute, for Pangborn C-50" CM P002/P010 banbury baghouse;

SE = short term particulate emission rate, in grain per dry standard cubic foot (determined based upon most recent stack test), maximum = 0.03 gr/dscf; and

OH = annual operating hours, in hours per year.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0228000046 Emissions Unit ID: P010 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>
P010 - A maximum 2.14 tons per year Banbury mixer (mixer 11B). Emissions are controlled by a 7,700 cfm baghouse.	OAC rule 3745-31-05(A)(3) (PTI 02-8066)	Particulate emissions generated from this emissions unit shall not exceed 0.72 pound per hour.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack associated with this emissions unit shall not exceed twenty percent (20%) opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. None
- C. **Monitoring and/or Record Keeping Requirements**
 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while this 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 pressure drop across the baghouse shall be maintained within the range of 0.5 to 2.0 inches of water while this emissions unit is in operation.
- D. **Reporting Requirements**
 1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section C.2 of these terms and conditions.
 2. All deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions.
- 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 methods:
Emission Limitation:

Visible particulate emissions from any stack associated with this emissions unit shall not exceed twenty percent (20%) opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be demonstrated by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the test methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.
Emission Limitation:

Particulate emissions generated from this emissions unit shall not exceed 0.72 pound per hour.

Applicable Compliance Method:

If required, compliance shall be demonstrated by performing an emission test in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5.
- F. **Miscellaneous Requirements**
 1. None