

Facility ID: 1677080000 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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[Go to Part II for Emissions Unit P901](#)

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Facility ID: 1677080000 Emissions Unit ID: P003 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>   |
|---|--------------------------------------|--|
| Skinner S80 Banbury Mixer                     | OAC 3745-31-05<br>(PTI 16-1114)      | 0.5 pound of particulate emissions (PE) per hour<br><br>3.0 pounds of organic compounds (OC) per hour<br><br>15.0 pounds of OC per day                                       |
|   | OAC 3745-17-07(A)                    | See sections A.2.a and A.2.b below.<br>Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule. |
|   | OAC 3745-17-11                       | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.                                   |
|   | OAC 3745-21-07(G)                    | The emission limitations specified by this rule are less stringent than or equivalent to the emission limitations established pursuant to OAC rule 3745-31-05.               |
|   | OAC rule 3745-17-08(B)               | See section A.2.c below.   |

**2. Additional Terms and Conditions**

- (a) The permittee shall employ Best Available Technology to control particulate matter emissions from this emissions unit. The control technology shall include the following:
  - i. the installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, and vent particulate matter; and
  - ii. the installation and use of a fabric filter to control particulate matter emissions.  
The fabric filter shall be operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s).  
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

**B. Operational Restrictions**

1. None

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

1. None

**D. Reporting Requirements**

1. None

**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:

0.5 pound of PE per hour

Applicable Compliance Method:

Compliance with the hourly allowable PE limitation above shall be demonstrated by multiplying the PE factor of 0.04 pound of PE per pound of powder material processed\* by the maximum hourly amount of powders processed (1000 pounds) times (1- 0.993\*\*).

If required, compliance with the hourly allowable PE limitation above shall be determined by using the test method(s) and procedures in Methods 1-5 of 40 CFR Part 60, Appendix A.

\*The emission factor is based on the assumption that 4% of the powder material processed is lost based on inventory records.

\*\*The overall control efficiency is 99.3% from the application.

Emission Limitation:

3.0 pounds of OC per hour

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

Emission Limitation:

15.0 pounds of OC per day

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the daily allowable OC emission limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

F. **Miscellaneous Requirements**

1. None

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Facility ID: 1677080000 Emissions Unit ID: P901 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> |
|---|--------------------------------------|--|
| Munson Grinder and Conveyor (P901)            | OAC 3745-31-05<br>(PTI 16-1246)      | 0.6 pound of particulate emissions (PE) per hour         |

OAC 3745-17-07(A)

See sections A.2.a and A.2.b below.

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

OAC rule 3745-17-08(B)

See section A.2.c below.

OAC 3745-17-11

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

**2. Additional Terms and Conditions**

(a) The permittee shall employ Best Available Technology to control particulate matter emission from this emissions unit. The control technology shall include the following:

i. the installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, and vent particulate matter; and

ii. the installation and use of a fabric filter to control particulate matter emissions.  
The fabric filter shall be operated in accordance with the manufacturer's recommendations, instructions and operating manual(s).  
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

**B. Operational Restrictions**

1. None

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

1. None

**D. Reporting Requirements**

1. None

**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:

0.6 pound of PE per hour

Applicable Compliance Method:

Compliance with the hourly allowable PE limitation above shall be demonstrated by multiplying the PE factor of 0.02 pound of PE per pound of product\* by the maximum hourly production rate (2000 pounds) times (1-0.985\*\*).

If required, compliance with the hourly allowable PE limitation above shall be determined by using the test method(s) and procedures in Methods 1-5 of 40 CFR Part 60, Appendix A.

\*The emission factor is based on the assumption that 2% of the product is lost.

\*\*The overall control efficiency is 98.5% from the application.

Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. None