

Facility ID: 1667040139 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 P001](#)

[Go to Part II for Emissions Unit P004](#)

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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>
Cryogenic hammermill grinding of rubber & plastic, controlled with a fabric filter	OAC rule 3745-31-05 (PTI 16-1342)	See A.2.a, A.2.b, A.2.c, and A.2.e below.
	OAC rule 3745-17-07	See A.2.d below.
	OAC rule 3745-17-11	See A.2.d below.

2. Additional Terms and Conditions

- (a) Based on application data, the maximum process weight rate (PWRmax) capacity of this emissions unit is 2000 lbs/hr.

Based on PTI 16-1342 worksheet calculations using a material balance approach, uncontrolled particulate emissions are estimated to be 15% of the process weight rate and overall control of particulate emissions is estimated at 99.5%.

Therefore, based on the above information, controlled potential hourly particulate emissions from this emissions unit are 1.5 lbs/hr.

The permittee shall limit particulate emissions from this emissions unit to a maximum of 1.5 lbs/hr. Visible particulate emissions shall not exceed 1% opacity, as a 6-minute average.

The emission limit based on this rule is less stringent than the limit based on OAC rule 3745-31-05. The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

 - i. the installation and employment of a fabric filter, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the fabric filter.

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.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

1.5 lbs/hr of particulate matter

Applicable Compliance Method:

Future stack testing may be required to demonstrate compliance per OAC rule 3745-17-03(B)(10).
Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- 1. None

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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>
Cryogenic hammermill grinding of rubber & plastic, controlled by a cyclone with airbags	OAC rule 3745-31-05 (PTI 16-1739)	See A.2.a, A.2.b, A.2.c, and A.2.e below.
	OAC rule 3745-17-07	See A.2.d below.
	OAC rule 3745-17-11	See A.2.d below.

2. Additional Terms and Conditions

- (a) Based on PTI application data, the maximum process weight rate (PWRmax) capacity of this emissions unit is 1500 lbs/hr.

Based on PTI 16-1739 worksheet calculations using a material balance approach, uncontrolled particulate emissions are estimated to be 15% of the process weight rate and overall control of particulate emissions is estimated at 99%.

Therefore, based on the above information, controlled potential hourly particulate emissions from this emissions unit are 2.5 lbs/hr.
The permittee shall limit particulate emissions from this emissions unit to a maximum of 2.5 lbs/hr. Visible particulate emissions shall not exceed 1% opacity, as a 6-minute average. The emission limit based on this rule is less stringent than the limit based on OAC rule 3745-31-05. The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a cyclone with airbags, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the cyclone.

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.2 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

2.5 lbs/hr of particulate matter

Applicable Compliance Method:

Future stack testing may be required to demonstrate compliance per OAC rule 3745-17-03(B)(10).

Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

- 1. None