

Facility ID: 0285030157 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 P006](#)

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Facility ID: 0285030157 Emissions Unit ID: P005 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>
Metal Shredder Hammermill with cyclone and wet scrubber	OAC rule 3745-31-05(A)(3) (PTI 02-4624)	0.03 grain of particulate emissions per dry standard cubic foot of exhaust air at any time that the scrubber/cyclone system is in use
	OAC rule 3745-17-11(B)	The emission limitation established in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the scrubber stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-08(B)	In accordance with OAC rule 3745-17-08(A)(1), the requirements of OAC rule 3745-17-08(B) shall not apply to this emissions unit.
	OAC rule 3745-17-07(B)	In accordance with OAC rule 3745-17-07(B)(11)(e), the requirements of OAC rule 3745-17-07(B) shall not apply to this emissions unit.

2. **Additional Terms and Conditions**
 - (a) This emissions unit shall not be operated without either the computerized water injection system or the wet scrubber/cyclone system in operation.

B. Operational Restrictions

1. The pressure drop across the wet scrubber shall be continuously maintained at a value of 16 to 20 inches of water column at all times while the emissions unit and the wet scrubber are in operation.
2. The water flow rate through the water injection system shall be maintained at a level of at least 5 gallons per ton of material processed.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the amount of material shredded in this emissions unit.
2. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day that the wet scrubber operates:

 - a. the pressure drop across the wet scrubber, in inches of water column, on daily basis; and
 - b. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit (when the wet

scrubber/cyclone system is operating) and for any visible emissions of fugitive dust or smoke. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

4. Once each day the permittee shall simultaneously record the water flow rate through the water injection system and the rate that material is being processed through the hammermill. The permittee shall also record the calculated amount of water applied per ton of material processed (flow rate in gallons/hr divided by the process weight rate in tons/hr).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the static pressure drop across the scrubber was not maintained within the required range.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit or during which any visible emissions of fugitive dust or smoke were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the emissions unit operated without the computerized water injection system or the wet scrubber/cyclone system in operation.
4. The permittee shall submit deviation (excursion) reports that identify all days in which the recorded water flow rate through the water injection system was less than the required level.

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:

0.03 grain of particulate emissions per dry standard cubic foot of exhaust air at any time that the scrubber/cyclone system is in use

Applicable Compliance Method:

If required, compliance shall be determined in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5. On January 21, 1997, a stack test was performed that indicated an emission rate of less than 0.000001 gr/dscf.
Emission Limitation:

Visible particulate emissions from the scrubber stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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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>
Metal Shredder Separator with cyclone	OAC rule 3745-31-05(A)(3) (PTI 02-4624)	0.03 grain of particulate emissions per dry standard cubic foot of exhaust air from the stack serving the cyclone
	OAC rule 3745-17-11(B)	The emission limitation established in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the scrubber stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-08(B)	In accordance with OAC rule 3745-17-08(A)(1), the requirements of OAC rule 3745-17-08(B) shall not apply to this emissions unit.
	OAC rule 3745-17-07(B)	In accordance with OAC rule 3745-17-07(B)(11)(e), the requirements of OAC rule 3745-17-07(B) shall not apply to this emissions unit.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

- 1. None

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and for any visible emissions of fugitive dust or smoke. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit or during which any visible emissions of fugitive dust or smoke were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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:

0.03 grain of particulate emissions per dry standard cubic foot of exhaust air from the stack serving the cyclone

Applicable Compliance Method:

If required, compliance shall be determined in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5. On January 21, 1997, a stack test was performed that indicated an emission rate of less than 0.000001 gr/dscf.

Emission Limitation:

Visible particulate emissions from the scrubber stack shall not exceed 20% opacity, as a 6-minute average,

except as provided by the rule.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

F. **Miscellaneous Requirements**

1. None