

Facility ID: 0448011575 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.

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

Facility ID: 0448011575 Emissions Unit ID: P902 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 salvage facilities	OAC rule 3745-17-07	See A.2.a below.
	OAC rule 3745-31-05(A)(3) as established in PTI 04-529, modified on September 18, 1991	1.11 lbs/hr of particulate emissions from stack no. 1 0.35 lb/hr of particulate emissions from stack no. 2 2.26 lbs/hr of fugitive particulate emissions 5.57 tpy of total particulate emissions 20% opacity from stack no. 1 5% opacity from stack no. 2 21.94 lbs/hr of volatile organic compounds (VOC) from stack no. 1 0.0 lb/hr of VOC from stack no. 2 1.51 lbs/hr of fugitive VOC 35.18 tpy of total VOC
	OAC rule 3745-17-08	See A.2.b-A.2.e below.
	OAC rule 3745-17-11	See A.2.a below.

2. Additional Terms and Conditions

- (a) The emission limitation(s) required by this applicable rule is/are equivalent to or less stringent than the emission limitation(s) established pursuant to the best available technology requirement specified in OAC rule 3745-31-05(A)(3).
 - Feed Material Control
 - The permittee shall remove or drain all gas tanks from vehicles before they are shredded.
Fugitive Emission Limitations
 - The permittee shall operate the hammermill with no visible emissions from the feed opening except for periods not to exceed a total of 5 minutes during any 1 hour period.
Hammermill Water Spray System
 - The permittee shall maintain a water spray system within the hammermill so as to minimize or eliminate fugitive visible particulate emissions from the shredder operation.
Stack Opacity Limitations
 - Visible particulate emissions from stack no. 1 (venturi scrubber stack) shall not exceed 20% opacity and the visible particulate emissions from stack no. 2 (ferrous cyclone vent stack) shall not exceed 5% opacity.

B. Operational Restrictions

1. The operation of the shredder/hammermill is limited to 3,000 hours per year based on a rolling, 12-month summation.

2. Venturi/Packed Bed Scrubber Operational Restrictions

The pressure drop across the scrubber shall be continuously maintained at a value of not less than 14 inches of water at all times while the emissions unit is in operation.

3. The hammermill spray system shall be automatically controlled and shall maintain a minimum water application rate of 20 gallons per minute when the shredder motor exceeds 425 amperes.

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

1. The hammermill spray system shall be automatically controlled and shall maintain a minimum water application rate of 20 gallons per minute when the shredder motor exceeds 425 amperes. The water application rate at the hammermill shall be continuously monitored with an automatic recording device.

2. Venturi/Packed Bed Scrubber Monitoring and Recordkeeping Requirements

The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be 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:

a. the pressure drop across the scrubber, in inches of water, on a continuous basis; and

b. the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

3. The permittee shall skim oil from the sump pit circulation water in accordance with good engineering practices. The permittee shall maintain records of the date and amount of each oil removal.

4. The permittee shall maintain records of the monthly hours of operation and the rolling, 12-month summation of operating hours.

D. **Reporting Requirements**

1. Venturi/Packed Bed Scrubber Reporting Requirements

The permittee shall submit to the Toledo Division of Environmental Services semi-annual deviation (excursion) reports that identify all periods of time during which the static pressure drop across the scrubber was not maintained at or above the required level. These reports shall be submitted by January 30 and July 30 of each year and shall cover the previous six calendar months.

2. The permittee shall submit an annual report to the Toledo Division of Environmental Services summarizing the number of hours this emissions unit was operating each month and the rolling 12-month summation of operating hours. This report shall be submitted by January 30 of each year and shall contain the operating hours from the previous year.

E. **Testing Requirements**

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

1.11 lbs/hr of particulate emissions from stack no. 1
0.35 lb/hr of particulate emissions from stack no. 2

Applicable Compliance Method:

Compliance shall be demonstrated based upon the stack testing requirements specified in 40 CFR Part 60, Appendix A, Methods 1 through 5.

Emission Limitation:

5.57 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying 1.11 lbs/hr and 0.35 lb/hr by the actual annual operating hours, dividing each result by 2000 lbs/ton, and then summing the quotients.

Emission Limitation:

20% opacity from stack no. 1
5% opacity from stack no. 2

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements specified in 40 CFR Part 60, Appendix A, Method 9.

Emission Limitation:

21.94 lbs/hr of VOC from stack no. 1
0.0 lb/hr of VOC from stack no. 2

Applicable Compliance Method:

Compliance shall be demonstrated based upon the stack testing requirements specified in 40 CFR Part 60, Appendix A, Method 25.

Emission Limitation:

35.18 tpy of VOC

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying 21.94 lbs/hr by the actual annual operating hours, and then dividing by 2000 lbs/ton.

Emission Limitation:

2.26 lbs/hr of fugitive particulate emissions

Applicable Compliance Method:

Compliance with the visible emission limitation of section A.2.c constitutes compliance with this emission limitation.

Emission Limitation:

1.51 lbs/hr of fugitive VOC

Applicable Compliance Method:

This emission limitation was based on the assumption that fugitive VOC emissions are 2/3 of the fugitive particulate emission rate. Compliance with the pound per hour fugitive particulate emission limit constitutes compliance with the pound per hour fugitive VOC emission limit.

Emission Limitation:

The permittee shall operate the hammermill with no visible emissions from the feed opening except for periods not to exceed a total of 5 minutes during any 1 hour period.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements specified in 40 CFR Part 60, Appendix A, Method 22.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and particulate emissions for stack no. 1 and stack no. 2.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Method 5 of 40 CFR Part 60, Appendix A and for VOC, Method 25 of 40 CFR Part 60, Appendix A. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services' refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s).

F. **Miscellaneous Requirements**

1. None