

Facility ID: 0285000102 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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Facility ID: 0285000102 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>
plant no. 1 woodworking equipment, controlled by a 11,250 cfm cyclone and baghouse in series	OAC rule 3745-31-05(A)(3) (PTI 02-21505)	0.01 gr/dscf of particulate emissions from the control system outlet and 4.22 tons per year Visible emissions from the control system outlet shall not exceed five (5) percent opacity, as a 6-minute average.
	OAC rule 3745-17-11(B)	See sections B.1 and B.2. below. 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)	The visible emission limitation established in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(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)(1)(e), the requirements of OAC rule 3745-17-07(B)(1) shall not apply to this emissions unit.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The control system shall be operated with a sufficient volumetric flow rate to eliminate visible particulate emissions at the point(s) of capture to the extent possible with good engineering design.
2. During any unloading of sawdust into the trailer, every attempt shall be made to reduce or control fugitive dust emissions by minimizing the drop height, utilizing a truck with high side boards, or other means. The collection efficiency shall be considered adequate if there are no visible particulate emissions of fugitive dust during wood waste storage load-out in excess of ten (10) percent opacity, as a 3-minute average.

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:

0.01 gr/dscf of particulate emissions

Applicable Compliance Methods:

If required, compliance shall be determined in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR 60, Appendix A.
Emission Limitation:

4.22 tons per year of particulate emissions

Applicable Compliance Methods:

Compliance with this emission limitation shall be determined by the following equation:

$$(0.01 \text{ gr/dscf}) \times (11,250 \text{ cfm}) \times (60 \text{ min/hr}) \times (8,760 \text{ hr/yr}) \times (\text{lb}/7,000 \text{ gr}) \times (\text{ton}/2000 \text{ lb})$$

where:

0.01 gr/dscf is the maximum emission rate expected and 11,250 cfm is the control system flow rate.

Emission Limitation:

five (5) percent opacity as a 6-minute average from the control system exhaust

Applicable Compliance Methods:

If required, compliance with the visible emission limitation shall be determined based upon visible emission observations performed in accordance with Method 9, as set forth in 40 CFR Part 60, Appendix A.
Emission Limitation:

ten (10) percent opacity, as a 3-minute average from the dust loadout area

Applicable Compliance Method:

If required, compliance with the visible fugitive emission limitation shall be determined based upon visible emission observations performed in accordance with Method 9, as set forth in 40 CFR Part 60, Appendix A.

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>
plant no. 2 woodworking equipment, controlled by a 9,500 cfm cyclone and baghouse in series	OAC rule 3745-31-05(A)(3) (PTI 02-21505)	0.01 gr/dscf of particulate emissions from the control system outlet and 3.57 tons per year
		Visible emissions from the control system outlet shall not exceed five (5) percent opacity, as a 6-minute average.
	OAC rule 3745-17-11(B)	See sections B.1 and B.2. below. The emission limitation established in this rule is less stringent than the one established pursuant to OAC

OAC rule 3745-17-07(A)	rule 3745-31-05(A)(3). The visible emission limitation established in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-17-08(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)(1) shall not apply to this emissions unit.

2. **Additional Terms and Conditions**

(a) None

B. **Operational Restrictions**

1. The control system shall be operated with a sufficient volumetric flow rate to eliminate visible particulate emissions at the point(s) of capture to the extent possible with good engineering design.
2. During any unloading of sawdust into the trailer, every attempt shall be made to reduce or control fugitive dust emissions by minimizing the drop height, utilizing a truck with high side boards, or other means. The collection efficiency shall be considered adequate if there are no visible particulate emissions of fugitive dust during wood waste storage load-out in excess of ten (10) percent opacity, as a 3-minute average.

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:

0.01 gr/dscf of particulate emissions

Applicable Compliance Methods:

If required, compliance shall be determined in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR 60, Appendix A.

Emission Limitation:

3.57 tons per year of particulate emissions

Applicable Compliance Methods:

Compliance with this emission limitation shall be determined by the following equation:

$$(0.01 \text{ gr/dscf}) \times (9,500 \text{ cfm}) \times (60 \text{ min/hr}) \times (8,760 \text{ hr/yr}) \times (\text{lb}/7,000 \text{ gr}) \times (\text{ton}/2000 \text{ lb})$$

where:

0.01 gr/dscf is the maximum emission rate expected and 9,500 cfm is the control system flow rate.

Emission Limitation:

five (5) percent opacity as a 6-minute average from the control system exhaust

Applicable Compliance Methods:

If required, compliance with the visible emission limitation shall be determined based upon visible emission observations performed in accordance with Method 9, as set forth in 40 CFR Part 60, Appendix A.

Emission Limitation:

ten (10) percent opacity, as a 3-minute average from the dust loadout area

Applicable Compliance Method:

If required, compliance with the visible fugitive emission limitation shall be determined based upon visible emission observations performed in accordance with Method 9, as set forth in 40 CFR Part 60, Appendix A.

F. **Miscellaneous Requirements**

1. None