

Facility ID: 0238000193 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: 0238000193 Emissions Unit ID: P001 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>
woodworking shop and associated 4,800 cfm, return-air baghouse	OAC rule 3745-31-05(A)(3) (PTI 02-21515 Effective 2/16/2006)	See A.2.a, A.2.b, B.1 and B.2 below.
	OAC rule 3745-17-07(B)	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-08(B)	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-11	Less stringent than OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	Less stringent than OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) Particulate emissions and particulate emissions less than 10 microns (PE/ PM10) shall not exceed 0.01 grain per dscf of exhaust gas, 0.41 pounds per hour and 1.8 tons per year from the dust collector exhaust.
 No visible emissions from the dust collector exhaust

B. Operational Restrictions

1. The pressure drop across the dust collector shall be maintained within the manufacturer's recommended range while the emissions unit is in operation, or within the pressure drop range established during the most recent compliance inspection or stack test that determined the emissions unit was in compliance.
2. The dust collector 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.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the dust collector while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the dust collector on a weekly basis.
2. When the dust collector is vented outside the building, the permittee shall perform weekly checks for any visible particulate emissions from the exhaust of the dust collector. The presence or absence of any visible emissions from the exhausts of the dust collectors shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

NOTE: The exhaust from the dust collector for this emissions unit are currently vented back into the building. This is the normal operating mode for this emissions unit.

3. The permittee shall maintain copies of these records for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. all periods of time during which the pressure drop across the dust collect did not comply with the allowable range specified above; and

- b. all periods of time that visible emissions from the baghouse exhaust were noted in the operations log when the dust collector was vented outside.

The quarterly deviations reports shall be submitted in accordance with the General Terms and Conditions. These reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

E. Testing Requirements

- 1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

PE/PM10 shall not exceed 0.01 gr/dscf and 0.41 pounds per hour.

Applicable Compliance Methods:

If required compliance shall be determined according to OAC rule 3745-17-03(B)(10), (Method 5, 40 CFR 60, Appendix A).

Emission Limitation:

PE/PM10 shall not exceed 1.8 tons per year.

Applicable Compliance Methods:

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

$$(0.055 \text{ gr/dscf}) \times (4,800 \text{ cfm}) \times (60 \text{ min/hr}) \times (8760 \text{ hr/yr}) \times (\text{lb}/7000 \text{ gr}) \times (\text{ton}/2000 \text{ lb}) \times (1-.988)$$

Where:

0.055 gr/dscf is the uncontrolled emission factor from AP-42, table 10.4-1 version 4/78;

4,800 cfm is the dust collector flow rate; and

98.8% is the dust collector control efficiency.

Emission Limitation:

No visible emissions from the dust collector exhaust.

Applicable Compliance Methods:

Compliance with the no visible emission limit for the exhausts from the dust collector shall be determined using Test Method 22-like visible emission observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.)

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0238000193 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

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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>
woodworking shop and associated 5500 cfm baghouse	OAC rule 3745-31-05(A)(3) (PTI 02-21515 Effective 2/16/2006)	See A.2.a, A.2.b, B.1, and B.2 below
	OAC rule 3745-17-07(B)	Exempt due to location in non-Appendix A area.
	OAC rule 3745-17-08(B)	Exempt due to location in non-Appendix A area.

OAC rule 3745-17-11 Less stringent than OAC rule 3745-31-05(A)(3).
 OAC rule 3745-17-07(A) Less stringent than OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) Particulate emissions and particulate emissions less than 10 microns (PE/ PM10) shall not exceed 0.01 grain per dscf of exhaust gas, 0.47 pounds per hour and 2.1 tons per year from the dust collector exhaust.
 No visible emissions from the dust collector exhaust.

B. **Operational Restrictions**

- 1. The dust collector 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.

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

- 1. The permittee shall perform weekly checks for any visible particulate emissions from the exhaust of the dust collector. The presence or absence of any visible emissions from the exhausts of the dust collectors shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

The permittee shall maintain copies of these records for a period of at least five years. Those records should be made available for Ohio EPA or their representatives to review during normal working hours.

D. **Reporting Requirements**

- 1. The permittee shall submit quarterly deviation (excursion) reports that include all periods of time that visible emissions from the baghouse exhaust were noted in the operations log.

The quarterly deviations reports shall be submitted in accordance with the General Terms and Conditions. These reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters

E. **Testing Requirements**

- 1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation:

PE/PM10 shall not exceed 0.01 gr/dscf and 0.47 pounds per hour.

Applicable Compliance Methods:

If required compliance shall be determined according to OAC rule 3745-17-03(B)(10), (Method 5, 40 CFR 60, Appendix A).

Emission Limitation:

PE/PM10 shall not exceed 2.1 tons per year.

Applicable Compliance Methods:

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

$$(0.055 \text{ gr/dscf}) \times (5,500 \text{ cfm}) \times (60 \text{ min/hr}) \times (8760 \text{ hr/yr}) \times (\text{lb}/7000 \text{ gr}) \times (\text{ton}/2000 \text{ lb}) \times (1-.9555)$$

Where:

0.055 gr/dscf is the uncontrolled emission factor from AP-42, table 10.4-1 version 4/78; and

5,500 cfm is the dust collector flow rate; and

95.55 % is the dust collector control efficiency.

Emission Limitation:

No visible emissions from the dust collector exhaust.

Applicable Compliance Methods:

Compliance with the no visible emission limit for the exhausts from the dust collector shall be determined using Test Method 22-like visible emission observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.)

F. **Miscellaneous Requirements**

- 1. None