

Facility ID: 1431224051 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: 1431224051 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>
P001- sandblasting operation with dust collector	OAC rule 3745-31-05(A)(3) (PTI 14-05724)	Particulate emissions (PE) shall not exceed 0.05 lb/hr and 0.24 ton per year (TPY). Particulate matter 10 microns or less (PM10) shall not exceed 0.03 lb/hr and 0.11 TPY.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the dust collector stack outlet shall not exceed ten percent (10%) opacity, as a six-minute average.
	OAC rule 3745-17-11	See term and condition B.1. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a total building enclosure and a dust collector to control particulate emissions and compliance with the visible emissions limitation and mass emissions limitations. The hourly and annual emissions limitations outlined above are based on the emissions unit's potential to emit (PTE). Therefore, no records and reports are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The pressure drop across the dust collector shall be maintained within the range of 2.0 to 4.0 inches of water while the emissions unit is in operation.

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.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in term B.1. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitations:

0.05 lb PE/hr, 0.03 lb PM10/hr; 0.24 ton PE/yr, 0.11 ton PM10/yr.

Applicable Compliance Method:

Hourly emissions of particulate emissions (PE) and particulate matter less than or equal to 10 microns (PM10) shall be calculated and compliance determined using the following equations.

$$\begin{aligned} \text{lb PE/hr} &= (A) \times (B) \times (1-D) \\ \text{lb PM10/hr} &= (A) \times (C) \times (1-D) \end{aligned}$$

Where,

A = maximum hourly amount of abrasive used, tons.
 B = PE emission factor of 54 lbs/ton of abrasive used, from AP-42 Section 13.2.6 (September, 1997).
 C = PM10 emission factor of 26 lbs/ton of abrasive used, from AP-42 Section 13.2.6 (September, 1997).
 D = Control factor of 99.8%, expressed as a decimal (0.998).

If testing is required to determine compliance with the hourly particulate emission limitation, then testing shall be conducted using the following method: Method 5 of 40 CFR, Part 60, Appendix A.

Emissions Limitations:

0.24 ton PM/yr, 0.11 ton PM10/yr.

Applicable Compliance Method:

Annual emissions of particulate emissions (PE) and particulate matter less than or equal to 10 microns (PM10) shall be calculated and compliance determined using the following equations.

$$\begin{aligned} \text{Tons PE/yr} &= (A) \times (B) \times (1-D) \times 1 \text{ ton}/2000 \text{ lbs} \\ \text{Tons PM10/yr} &= (A) \times (C) \times (1-D) \times 1 \text{ ton}/2000 \text{ lbs} \end{aligned}$$

Where,

A = maximum annual amount of abrasive used, tons.
 B = PE emission factor of 54 lbs/ton of abrasive used, from AP-42 Section 13.2.6 (September, 1997).
 C = PM10 emission factor of 26 lbs/ton of abrasive used, from AP-42 Section 13.2.6 (September, 1997).
 D = Control factor of 99.8%, expressed as a decimal (0.998).

Emission Limitation:

Visible particulate emissions from the dust collector stack outlet shall not exceed ten percent (10%) opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

F. **Miscellaneous Requirements**

1. None