

Facility ID: 1409040883 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: 1409040883 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P002 - Abrasive Blasting Enclosure with Dust Collector	OAC rule 3745-31-05 (A)(3) (PTI 14-05854)	Particulate emissions (PE) shall not exceed 0.96 pound per hour and 4.2 tons per year (TPY).
		Particulate matter emissions 10 microns or less in diameter (PM10) shall not exceed 0.48 pound per hour and 2.1 TPY.
		Visible particulate emissions from the fabric filter stack outlet shall not exceed ten percent (10%) opacity, as a six minute average.
		There shall be no visible fugitive particulate emissions from this emissions unit.
		See term and condition B.1.
	OAC rule 3745-17-07(A)(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).
	OAC rule 3745-17-07(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).
	OAC rule 3745-17-08(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(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).

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of an enclosure and a fabric filter to control particulate emissions and compliance with the visible emissions limitations 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 limitations.

B. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within the range of 2 to 4 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 fabric filter 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 fabric filter on a weekly basis.

2. The permittee shall perform weekly checks, when the emissions unit is in operation, for any visible fugitive emissions. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive emissions are observed, the permittee shall also note the following in an operations log the cause of the visible emissions, if known, the total duration of any visible fugitive emission incident and any corrective actions taken to eliminate the visible fugitive emissions.

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 fabric filter did not comply with the allowable range specified in term and condition B.1.
2. The permittee shall submit deviation (excursion) reports that identify all periods of time during which weekly checks as specified in term and condition C.2 were not performed.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which visible fugitive emissions were observed, the cause of the visible emissions, if known, the total duration of the visible emissions and any corrective actions taken to eliminate the visible emissions.
4. 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 limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations:
Particulate emissions (PE) shall not exceed 0.96 pound per hour and particulate matter emissions 10 microns or less in diameter (PM10) shall not exceed 0.48 pound per hour.

Applicable Compliance Method:

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

$$\text{lb PE/hr} = (A) \times (B)$$

$$\text{lb PM10/hr} = (A) \times (C)$$

Where,

A = 1,393 lbs of abrasive/hr (maximum hourly amount of abrasive used).

B = PE emission factor of 0.69 lbs of PE/thousand lbs of abrasive used, from AP-42 Section 13.2.6 (September, 1997).

C = PM10 emission factor of 0.345 lbs of PM10/thousand lbs of abrasive used, from AP-42 Section 13.2.6 (September, 1997) assuming PM10 emissions to be half of PE emissions.

If required, testing to determine compliance with the with the hourly particulate emission limitation shall be conducted using the following method: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.
Emission Limitations:

Particulate emissions (PE) shall not exceed 4.2 tons per year and
particulate matter emissions 10 microns or less in diameter (PM10) shall not exceed 2.1 tons per year.

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.

$$\text{Tons PE/yr} = (A) \times (B) \times 0.0005 \text{ tons/lb.}$$

$$\text{Tons PM10/yr} = (A) \times (C) \times 0.0005 \text{ tons/lb.}$$

Where,

A = 12,202,680 pounds of abrasive/year (maximum annual amount of abrasive used).

B = PE emission factor of 0.69 lbs/thousand lbs of abrasive used, from AP-42 Section 13.2.6 (September, 1997).

C = PM10 emission factor of 0.345 lbs/thousand lbs of abrasive used, from AP-42 Section 13.2.6 (September, 1997) assuming PM10 emissions to be half of PE emissions.

Emission Limitation:

Visible particulate emissions from the fabric filter 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.

Emissions Limitation:

There shall be no visible fugitive particulate emissions from this emissions unit.

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.

2. Compliance with the pressure drop limitation in term and condition B.1 shall be demonstrated with the record keeping required in term and condition C.1.

F. Miscellaneous Requirements

1. None