

Facility ID: 0278060356 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: 0278060356 Emissions Unit ID: F001 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>
Blast Unit - EP #3	OAC rule 3745-31-05	Particulate Matter- 0.03 grains/dscf , 0.46 lb/hr , and 2.1 ton/yr
Blast Cabinet and Filter Cartridge Collector	(PTI No. 0.2-12965)	
F001	OAC rule 3745-17-08(B)	
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed twenty percent opacity, as a three-minute average.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the line:
 - a. The total amount of abrasive blasting material;
 - b. The total hours of operation of the blast unit; and
 - c. The average hourly particulate emission rate.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports of each day during which the average hourly particulate matter emission rate is exceeded. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office or local air agency) within 45 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emission Limitation -
0.03gr/dscf, 0.46 lb/hr, and 2.02 ton/yr of particulate matter.

Applicable Compliance Method -

To determine the actual emission rate for particulate matter, the following equations shall be used:

$$E = (25 \text{ lb PM} / 1000 \text{ lb abr. material})(AB)(1-.995) , \text{ where:}$$

E is the daily emission rate of particulate matter(pm); and

$$EH = (25 \text{ lb PM} / 1000 \text{ lb abr. material})(AB)(1-.995) / (H) , \text{ where:}$$

EH is the average hourly emission rate of particulate matter(pm);

25 lb / 1000 lb abrasive material is the emission factor for PM , from a USEPA AP-42,Table 13.2.6-1;

AB is the amount of abrasive blasting material used in this operation per day;

H is the total hours this process operates per day; and

(1-.995) is a correction for the collector efficiency of 99.5%.

Yearly emissions are the sum of the daily emissions.

If required, the permittee shall conduct, or have conducted, particulate emission testing for this emissions unit to demonstrate compliance with the hourly allowable mass emission rate in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 5 and the procedures in OAC rule 3745-17-03(B)(7).

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity.

Emission Limitation -

20% opacity limit for visible particulate matter emissions

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.

F. **Miscellaneous Requirements**

1. None