

Facility ID: 0278080612 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: 0278080612 Emissions Unit ID: P001 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>
Abrasive Blasting Operation	OAC 3745-17-07	see A.2.a
	OAC 3745-17-11	see A.2.b
	OAC 3745-31-05 PTI No. 02-1593	see A.2.a and b

2. Additional Terms and Conditions

- (a) Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average. Particulate emissions shall not exceed 2.25 pounds per hour, based on a process weight of 875 pounds per hour.

B. Operational Restrictions

1. The impingement chamber shall be used at all times during blasting operations. The impingement chamber shall be maintained in good working condition. Impingement screens shall be cleaned regularly and replaced when necessary.
2. Jet Diamond or similiar blasting material shall be used at all times for blasting.
3. The blasting area floor shall be kept in reasonably clean condition at all times.
4. The large door used as a truck and trailer entrance to the blasting area shall be kept closed during blasting operations.

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 used.
 - b. The total hours of operation of the blasting operation.
2. The permittee shall perform daily checks when the emissions unit is in operation for visible particulate emissions from the egress point serving this emissions unit. The presence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover

the previous 6-month period.

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):
Emission Limitation -
2.25 lbs per hour of particulate emissions.

Applicable Compliance Method -

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

$$E = (0.03 \text{ lb PM/lb abrasive material})(AB)(1-.98) / (H), \text{ where}$$

E is the average hourly emission rate of particulate matter(PM)

0.03 lb/lb abrasive material is the emission factor for particulates, from a USEPA report "Development of Particulate Emission Factors for Uncontrolled Abrasive Blasting Operations" from MRI, April 1994.

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

H is the total hours this process operates per day.

1-.98 is a correction for the collector efficiency of 98%.

If required, compliance shall be demonstrated as listed in OAC Rule 3745-17-03(B)(10).

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) using the methods and procedures specified in U.S.EPA Reference Method 9.

F. Miscellaneous Requirements

1. None