Facility ID: 0278000919 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: 0278000919 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - abrasive blasting operation	OAC rule 3745-31-05(A)(3) (PTI No. 02-21677)	Particulate emissions (PE) shall not exceed 9.5 pounds per hour and 9.9 tons per year. Visible fugitive particulate emissions from this emissions unit shall not exceed 20% opacity as a 3-minute average. See section B.1 below.
	OAC rule 3745-17-07(B)(1)	This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
	OAC rule 3745-17-08	The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

1. The permittee shall operate the abrasive blasting within an enclosure or partial enclosure for the purpose of reducing fugitive emissions. The enclosure or partial enclosure shall include an overhead roof or awning, it may also include building walls, curtains, tarps, or other suitable control measures.

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., doors, roof monitors, enclosure openings, etc.) serving this emissions unit. The presence or absence of any visible fugitive 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 location and 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 minimize or eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or

specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall collect and record the following information for this emissions unit:

a. the total amount of abrasive blasting material used on a monthly basis, in pounds or tons; and
b. a yearly summation of the amount of abrasive blasting material used.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., doors, roof monitors, enclosure openings, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. **Testing Requirements**

1. Compliance with the emissions limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emission Limitation:

Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance with the visible emission limitation for the fugitive particulate emissions 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, 1996, and the modifications listed in paragraphs (B)(3) and (B)(3)(b) of OAC rule 3745-17-03.
Emission Limitation:

PE shall not exceed 9.5 lbs/hr.

Applicable Compliance Method:

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 13.2-1 (1997 update) for sandblasting (27 lbs/1000 lbs abrasive), and the maximum abrasive usage rate (double the abrasive usage weight rate from the application).

E(PE)blasting = 27 lbs/1000 lbs abr. x 350 lbs/hr = 9.5 lbs/hr
Emission Limitation:

PE shall not exceed 9.9 ton/yr.

Applicable Compliance Method:

Compliance shall be based on a calculation by using emission factors from AP-42, Section 13.2-1 (1997 update) for sandblasting (27 lbs/1000 lbs abrasive), and the abrasive usage weight rate from C.2.b.

E(PE)blasting = 27 lbs/1000 lbs abr. x abrasive usage weight lb/year.

Tons per year is determined by dividing E(PE) in lbs/year by 2000 lbs/ton.

F. **Miscellaneous Requirements**

1. None