Facility ID: 0630010130 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: 0630010130 Emissions Unit ID: P905 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
Shot Blasting Unit (SB-3 Water Pumps Shot Blaster) Controlled with a Baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-7130)	Particulate emissions (PE) shall not exceed 0.02 lb/hr and 0.1 ton/yr. There shall be no visible emissions from the baghouse exhaust stack.
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1)	The emission limitations specified by these rules are less stringent than those established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

1. The permittee shall employ a baghouse having a minimum design control efficiency for particulate emissions of 99% during any operation of this emissions unit.

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

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse exhaust stack serving this emissions unit. The presence or absence 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall maintain daily records that document any time periods when the baghouse was not in service when the emissions unit was in operation.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse exhaust 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 Ohio EPA Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit deviation (excursion) reports that identify any daily record showing that the baghouse was not in service when the emissions unit was in operation. The deviation reports shall be submitted within 30 days after the deviation.

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:

   PE shall not exceed 0.02 lb/hr and 0.1 ton/yr.

Applicable Compliance Method:

Compliance with the lb/hr emission limitation may be demonstrated through the following one-time calculation using the emission factor of 27 lbs PE/1000 lbs shot, the maximum shot use rate, a steel shot adjustment factor, and the baghouse design control efficiency. The emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 13.2.6, Table 13.2.6-1 (9/97).

PE(lb/hr) = 27 lbs PE/1000 lbs shot x 526 lbs shot/hr x 0.1 (emissions using steel shot are 10% that of sand) x 0.01 (99% min. baghouse efficiency) = 0.014 lb/hr

If required, the permittee shall demonstrate compliance with the lb/hr emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

Compliance with the ton/yr emission limitation may be demonstrated through the following one-time calculation using the maximum hourly emission rate.

PE(tpy) = 0.014 lb/hr x 8760 hrs/yr x 0.0005 ton/lb =0.061 tpy
Emission Limitation:

There shall be no visible emissions from the baghouse exhaust stack.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the visible particulate emission observations specified in 40 CFR Part 60, Appendix A, Method 22.

F. **Miscellaneous Requirements**

1. None