

Facility ID: 0448011737 Issuance type: Final State Permit To Operate

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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: 0448011737 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>
F001 - Abrasive blasting operation	OAC rule 3745-31-05(A)(3) (PTI 04-01434, issued 11/17/2005)	0.9 pound per hour and 3.9 tons per year of particulate emissions (PE). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average. See sections A.2.a, A.2.b and A.2.c
	OAC rule 3745-17-07(B)(1), (B)(3) OAC rule 3745-17-08(B)(3)	See section A.2.d See section A.2.d

2. Additional Terms and Conditions

- (a) The permittee shall install and maintain an enclosure sufficient to comply with a visible emission limitation of 10% opacity as a 3-minute average. The ground can not be used as the bottom of the enclosure. The floor of the booth shall be covered with impervious material or paved to prevent the blast debris from contaminating the ground. All debris shall be collected and stored in covered steel dumpsters or covered drums as often as needed. All containers shall be secured at the end of each workday. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly visual inspections, when the emissions unit is in operation, of the enclosure surrounding this emissions unit to check for holes or damage to the enclosure unit and immediately repair any damage to the enclosure. The results of these weekly checks shall be maintained in a log containing the following information:
 - a. Date of inspection;
 - b. Name of the individual performing the inspection;
 - c. Whether there is any damage to the enclosure; and,
 - d. Any corrective actions taken to repair the damaged enclosure.
2. 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., building windows, doors, roof monitors, 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.

For emission points for which the daily checks show emissions that are representative of normal operation for 30 consecutive operating days, the required frequency of visible emissions checks may be reduced to weekly (once per week, when the emissions unit is in operation). If a subsequent check of such emission point by the permittee or an Ohio EPA inspector indicates abnormal emissions, the frequency of emissions checks shall revert to daily for that emission point until such time as there are 30 consecutive operating days of normal visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any damage to the enclosure serving this emissions unit was found and (b) describe any corrective actions taken to repair the enclosure. 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. If inspections during a six-month period did not reveal any damage to the enclosure serving this emissions unit, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
2. 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., building windows, doors, roof monitors, 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 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. If no visible emissions were observed during a six-month period, the permittee shall submit a semi-annual report, which states that no visible emissions were observed during that period.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average

Applicable Compliance Method:

If required, visible emissions readings performed in accordance with OAC rule 3745-17-03(B)(3) shall be used to demonstrate compliance.

Emission Limitation:

0.9 pound of particulate emissions per hour

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the AP-42 emission factor from Section 13.2.6 dated 9/97 (55 pounds PE per 1,000 pounds of blasting media) by the maximum blast media application rate (150 pounds per hour) and multiplying by (1 - 0.9) to account for the estimated capture efficiency of the enclosure.

Emission Limitation:

3.9 tons of particulate emissions per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly maximum allowable emission limitation (0.9 pounds of PE per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

F. Miscellaneous Requirements

1. None