

Facility ID: 1318000732 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: 1318000732 Emissions Unit ID: F001 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>
Galvanizing Kettle, Fugitive Dust Emissions are controlled by a baghouse	OAC rule 3745-17-07(B)(1)	Visible emissions of fugitive dust shall not exceed 20 percent opacity as a 3 minute average. Reasonably available control measures to minimize or eliminate visible emissions of fugitive dust. See Additional Terms and Condition A.2.a below. 0.030 grains or less of particulate emissions per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent.
	OAC rule 3745-17-08(B)	
	OAC rule 3745-17-08(B)(3)(b)	

2. **Additional Terms and Conditions**
 - (a) The permittee shall employ the following reasonably available control measures for the above-identified operations for the purpose of ensuring compliance with the above-mentioned applicable requirements:
 - i. The permittee shall utilize a rectangular hood located directly above the galvanizing kettle in order to minimize or eliminate visible emissions of fugitive dust. The fugitive dust from the rectangular hood is vented to the baghouse.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive dust emissions shall be noted in an operations log. If visible fugitive dust 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.

3. This source and the Pedcon baghouse shall be operated and maintained in accordance with the recommendations of the manufacturer in order to minimize air contaminant emissions. This includes:
 - a. regular inspection of the dust control system;
 - b. proper pressure drop through the baghouse;
 - c. spare bags of at least 10% of the total required should be available on the premises at all times; and
 - d. records of these inspections and any corrective actions taken shall be maintained for a minimum of 24 months and shall be made available to the Cleveland Division of Air Quality upon request.

D. Reporting Requirements

1. The permittee shall submit semi-annually, pressure drop deviation (excursion) reports to the Cleveland Division of Air Quality to indicate all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semi-annual written reports that (a) identify all days during which any visible emissions of fugitive dust 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 emissions. These reports shall be submitted to the Cleveland Division of Air Quality by January 31 and July 31 of each year and shall cover the previous 6-month periods.

E. Testing Requirements

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

Visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9. Compliance shall be determined at the non-stack egress points serving this emissions unit (e.g., windows, doors, roof monitors).

Emission Limitation:

0.030 grains or less of particulate emissions per dry standard cubic feet of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent.

Applicable Compliance Method:

If required, compliance with the grain limitation shall be determined by performing a stack test using USEPA Test Methods 1-5 of 40 CFR Part 60, Appendix A. Compliance with the no visible emission limit shall be determined using USEPA Test Method 22 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. This emissions unit was installed in 1943. A baghouse was installed in 1974. By that action, OAC rule 3745-17-08 (B)(3) became applicable.