

Additional Terms and Conditions

A. Operational Restrictions

1. The permittee shall operate and maintain hoods, fans and other equipment to adequately enclose, contain, capture, vent and control beryllium matter generated from the operation of this emissions unit.
2. The permittee shall operate and maintain a cyclone, fabric prefilter, and HEPA filter in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
3. The pressure drop across the baghouse shall be maintained within the range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.

B. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, 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 maintain daily records which contain the following information:
 - a. the mass of beryllium inputted into the machining process;
 - b. the mass of beryllium recovered before entering the control devices;
 - c. the mass of the finished beryllium product; and
 - d. the calculated mass of beryllium emitted over the 24-hour period, in grams.

C. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports

PTI #16-1817

that identify that 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 deviation (excursion) reports that identify all records during which the daily beryllium mass emission did not comply with the allowable limitation.
3. The permittee shall submit required reports in the following manner:
 - a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

D. Testing Requirements:

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for beryllium.
 - c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: for beryllium, Method 103 of 40

CFR Part 61, Appendix B. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron Air Pollution Control Agency.
2. Not later than 30 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time and date of the test, and the person who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Akron Air Pollution Control Agency's refusal to accept the results of the emission test.
 3. Personnel from the Akron Air Pollution Control Agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 4. A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Akron Air Pollution Control Agency within 30 days following completion of the test. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Akron Air Pollution Control Agency.
 5. Compliance with the emission limitations in Permit to Install #16-1712 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)
 - b. Emission Limitation:

10 grams of beryllium over a 24-hour period

PTI #16-1817

Applicable Compliance Method:

The permittee shall maintain daily records of the mass of beryllium inputted, recovered before the control device, and the finished product. The control efficiency of the control devices shall be determined in accordance with 40 CFR Part 61, Appendix B, Method 103. The permittee shall calculate the daily mass of beryllium emitted over a 24-hour period by subtracting the sum of the mass of the finished product and the recovered beryllium from the mass of the beryllium inputted and multiplying the result by one minus the control efficiency of the control equipment as determined from the results of the most recent stack test.