

American Crucible Division  
of Johnson Metall, Inc.  
PTI No. 02-12678  
PN 02-47-08-0291

## **Additional Terms and Conditions**

### **Operational Restrictions**

1) The pressure drop across the baghouse shall be maintained within the range of 2 to 7 inches of water while the emissions unit is in operation.

### **Monitoring and Recordkeeping Requirements**

1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop 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) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

### **Reporting Requirements**

1) The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified.

2) The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the Northeast District Office of the Ohio EPA.

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 recordkeeping 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 Northeast District Office of the Ohio EPA. 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., 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.)

### **Testing Requirements**

- 1) Compliance with the opacity limitation shall be demonstrated by using Method 9 as outlined in 40 CFR 60, Appendix A.
- 2) Compliance with the mass emission limitation for particulate matter shall be demonstrated by multiplying the gas flow rate (dscf) from the emissions unit by the measured grain loading at the baghouse's exhaust (gr/dscf).
- 3) 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 three months after issuance of this permit.
  - b. The emission testing shall be conducted to demonstrate compliance with the mass emissions limitation from the baghouse.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 5.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Northeast District Office of the Ohio EPA.

Not later than 30 days prior to the proposed test date(s), 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(s) and date(s) of the test(s), and the person(s) who will be conducting the

test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

#### **Miscellaneous Requirements**

- 1) The collection efficiency of the air pollution capture hoods shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at all points of capture.
- 2) The permittee shall maintain all hoods and enclosures in good operating condition. Additional capture hooding on enclosures shall be installed if required by the Ohio EPA.