

**Quikrete Company**  
**PTI # 01-7421**

## **Additional Special Terms and Conditions**

### **I. Operational Restrictions**

- A. The maximum annual operating hours for this emissions unit shall not exceed 4,200.
- B. The pressure drop across the baghouse shall be maintained within the range specified by the baghouse manufacturer while the emissions unit is in operation.

### **II. Monitoring and Record Keeping Requirements**

- A. The permittee shall maintain monthly records of the operating hours for this emissions unit.
- B. 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 daily basis.
- C. 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 for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

### **III. Reporting Requirements**

- A. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- B. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
- C. 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 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 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 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.)

#### **IV. Compliance Determination**

A. Compliance with the emission limitations of this permit shall be determined in accordance with the following method(s):

Emission Limitation: 1.6 lbs PM /hr.

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emissions testing for this emissions unit to demonstrate compliance with the 1.6 lbs PM /hr limitation in accordance with the following requirements:

- i. The emission testing shall be conducted within 90 days after completion of the modification to emissions unit P901.
- ii. The following test method(s) shall be employed to determine the controlled mass rate of particulate emissions from this emissions unit: 40 CFR Part 60, Appendix A, Methods 1 through 5.
- iii. The test(s) shall be conducted while this emissions unit is operated at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Central District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. 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, Central District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Central District Office 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 Ohio EPA, Central District Office 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 Ohio EPA, Central District Office.

Emission limitation: .013 lb SO<sub>2</sub>/hr and .027 tons SO<sub>2</sub>/yr

Applicable Compliance Method: Compliance with the SO<sub>2</sub> emission limits shall be based upon the records required by Section II.A of these special terms and conditions, an emission factor of .00084 lb SO<sub>2</sub>/MMBTU and a maximum MMBTU/hr value for the burner of 15 MMBTU/hr. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6C

Emission limitation: 2.1 lb NO<sub>x</sub>/hr and 4.41 tons NO<sub>x</sub>/yr

Applicable Compliance Method: Compliance with the NO<sub>x</sub> emission limits shall be based upon the records required by Section II.A of these special terms and conditions, an emission factor of .14 lb NO<sub>x</sub>/MMBTU (from AP 42, table 1.4-2, SCC 1-02-006-02) and a maximum MMBTU/hr value for the burner of 15 MMBTU/hr. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7E

Emission limitation: .053 lb CO/hr and 1.11 tons CO/yr

Applicable Compliance Method: Compliance with the CO emission limits shall be based upon the records required by Section II.A of these special terms and conditions, an emission factor of .035 lb CO/MMBTU (from AP-42, table 1.4-2, SCC 1-02-006-02) and a maximum MMBTU/hr value for the burner of 15 MMBTU/hr. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10

Emission limitation: .042 lb VOC/hr and .088 tons VOC/yr

Applicable Compliance Method: Compliance with the VOC emission limits shall be based upon the records required by Section II.A of these special terms and conditions, an emission factor of .0028 lb VOC/MMBTU (from AP 42, table 1.4-3, SCC 1-02-006-02) and a maximum MMBTU/hr value for the burner of 15 MMBTU/hr. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18

Emission Limitation: There shall be no visible particulate emissions from this emissions unit.

Applicable Compliance Method: Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.