

**15A NCAC 02D .0606 SOURCES COVERED BY APPENDIX P OF 40 CFR PART 51**

(a) The following sources shall be monitored as described in Paragraph 2 of Appendix P of 40 CFR Part 51:

- (1) fossil fuel-fired steam generators,
- (2) nitric acid plants,
- (3) sulfuric acid plants, and
- (4) petroleum refineries.

Sources covered by Rule .0524 of this Subchapter are exempt from this Rule.

(b) The monitoring systems required under Paragraph (a) of this Rule shall meet the minimum specifications described in Paragraphs 3.3 through 3.8 of Appendix P of 40 CFR Part 51.

(c) The excess emissions recorded by the monitoring systems required to be installed under this Rule shall be reported no later than 30 days after the end of the quarter to the Division in the manner described in Paragraphs 4 and 5.1 through 5.3.3 of Appendix P of 40 CFR Part 51 except that a six-minute time period is deemed as an appropriate alternative opacity averaging period as described in Paragraph 4.2 of Appendix P of 40 CFR Part 51. The owner or operators of any sources subject to this Rule that are required to monitor emissions of sulfur dioxide or nitrogen oxides under any other state or federal rule with continuous emission monitoring systems shall monitor compliance with the sulfur dioxide emission standard in Rule .0516 of this Subchapter and the nitrogen oxide emission standard in Rule .0519 or Section .1400 of this Subchapter with a continuous emission monitoring system. Compliance with sulfur dioxide and nitrogen oxide emission standards are determined by averaging hourly continuous emission monitoring system values over a 24-hour block period beginning at midnight. To compute the 24-hour block average, the average hourly values are summed, and the sum is divided by 24. A minimum of four data points, equally spaced, is required to determine a valid hour value unless the continuous emission monitoring system is installed to meet the provisions of 40 CFR Part 75. If a continuous emission monitoring system is installed to meet the provisions of 40 CFR Part 75, the minimum number of data points are determined by 40 CFR Part 75.

(d) For emissions of sulfur dioxide, fuel analysis may be used in place of a continuous emissions monitoring system if the source is not required to monitor emissions of sulfur dioxide using a continuous emissions monitoring system under another state or federal rule. If fuel analysis is used as an alternative method to determine emissions of sulfur dioxide, the test methods described in Section .2600 of this Subchapter shall be used except that gross or composite samples, gross caloric value, moisture content, and sulfur content shall be determined per shipment. Alternatively, gross or composite samples, gross caloric value, moisture content, and sulfur content may be determined sampling the fuel as fired if the owner or operator demonstrates to the Director that sampling as fired provides a more accurate estimation of sulfur dioxide emissions than sampling each shipment. If sulfur dioxide emissions are determined sampling fuel as fired, then a fuel sample shall be taken every four hours. These four-hour samples shall be composited into a daily sample, and the daily sample shall be composited into a weekly sample. This weekly sample shall be analyzed using the procedures in Section .2600 of this Subchapter. The sulfur dioxide emission rate shall also be determined using fuel analysis data. Sulfur retention credit shall be granted and used for computing sulfur dioxide emission rates if a source, on a case-by-case basis, quantitatively and empirically demonstrates the sulfur retention.

(e) Wherever the language of the referenced portion of Appendix P of 40 CFR Part 51 speaks of the "state" or "state plan", the requirements described in Appendix P of 40 CFR Part 51 apply to those sources to which the requirements pertain.

(f) The owner or operator of the source shall conduct a daily zero and span check of the continuous opacity monitoring system following the manufacturer's recommendations and shall comply with the requirements of Rule .0613 of this Section.

(g) The owner or operator of the source may request to use a different procedure or methodology than that required by this Rule if one of the conditions identified in 40 CFR Part 51, Appendix P, Section 3.9 exists. The person requesting to use a different procedure or methodology shall submit the request to the Director along with a description of the different procedure or methodology proposed to be used, an explanation of why the procedure or methodology required by this Rule will not work, and a showing that the proposed procedure or methodology is equivalent to the procedure or methodology being replaced. The Director shall approve the use of this procedure or methodology if he finds that one of the conditions identified in 40 CFR Part 51, Appendix P, Section 3.9 exists, that the procedure or methodology required by this Rule will not work, and that the proposed procedure or methodology is equivalent to the procedure or methodology that it will replace.

(h) The owner or operator of the source shall report to the Director no later than 30 days following the end of the quarter the following information:

- (1) for fuel analysis per shipment:
  - (A) the quantity and type of fuels burned,

- (B) the BTU value,
  - (C) the sulfur content in percent by weight, and
  - (D) the calculated sulfur dioxide emission rates expressed in the same units as the applicable standard.
- (2) for continuous monitoring of emissions:
- (A) the daily calculated sulfur dioxide and nitrogen oxide emission rates expressed in the same units as the applicable standard for each day, and
  - (B) other information required under Appendix P of 40 CFR Part 51.
- (i) If emission testing for compliance with the sulfur dioxide emission standard is required, the testing shall be done according to 40 CFR Part 60, Appendix A, Method 6.
- (j) If emission testing for compliance with the nitrogen oxide emission standard is required, the testing shall be done according to 40 CFR Part 60, Appendix A, Method 7.

*History Note:* Authority G.S. 143-215.3(a)(1); 143-215.65; 143-215.66; 143-215.107(a)(4);  
Eff. February 1, 1976;  
Amended Eff. June 1, 2008; January 1, 2005; April 1, 2003; April 1, 1999; May 1, 1985; July 1, 1983;  
December 1, 1976; June 18, 1976.