

**Attachment A**

**January 31, 2008 Submission:**

**15A NCAC 02D .0519**

**Control of Nitrogen Dioxide and Nitrogen Oxides Emissions**

*Appendix A – 15A NCAC 2D .0519 text from NC133 Submission*

- 1 15A NCAC 02D .0519 has been amended with changes as published in 21:16 NCR-1490:  
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- 3 **15A NCAC 02D .0519 CONTROL OF NITROGEN DIOXIDE AND NITROGEN OXIDES EMISSIONS**
- 4 (a) The emissions of nitrogen dioxide shall not exceed: ~~exceed~~; exceed
- 5 (1) ~~5.8 pounds per ton of acid produced from any nitric acid manufacturing plants;~~  
6 (2) 5.8 pounds per ton of acid produced from any sulfuric acid manufacturing plant.
- 7 (b) The emissions of nitrogen oxides shall not exceed:
- 8 (1) 0.8 pounds per million BTU of heat input from any oil or gas-fired boiler with a capacity  
9 of 250 million BTU per hour or more;
- 10 (2) 1.8 pounds per million BTU of heat input from any coal-fired boiler with a capacity of  
11 250 million BTU per hour or more.
- 12 (c) The emission limit for a boiler that burns both coal and oil or gas in combination shall be calculated by  
13 the equation  $E = [(Ec) (Qc) + (Eo) (Qo)] / Qt$ .
- 14 (1) E = the emission limit for combination in pounds per million BTU.  
15 (2) Ec = emission limit for coal only as determined by Paragraph (b) of this Rule in pounds  
16 per million BTU.  
17 (3) Eo = emission limit for oil or gas as determined by Paragraph (b) of this Rule in pounds  
18 per million BTU.  
19 (4) Qc = the actual coal heat input to the combination in BTU per hour.  
20 (5) Qo = the actual oil and gas heat input to the combination in BTU per hour.  
21 (6) Qt = Qc + Qo and is the actual total heat input to the combination in BTU per hour.
- 22 (d) A boiler subject to an emission standard for nitrogen oxides under Rule .0524 (New Source  
23 Performance Standards) or .1418 (New Generating Units, Large Boilers, and Large I/C Engines) of this  
24 Subchapter shall meet the standard in that particular rule instead of the standard in Paragraph (a) of this  
25 Rule.
- 26 *History Note:* Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);  
27 Eff. February 1, 1976;  
28 Amended Eff. July 1, 2007; January 1, 2005; July 1, 1996; October 1, 1989; January 1,  
29 1985.