

**15A NCAC 02D .1418 NEW ELECTRIC GENERATING UNITS, LARGE BOILERS, AND LARGE I/C ENGINES**

(a) Electric generating units. Emissions of nitrogen oxides from any fossil fuel-fired stationary boiler, combustion turbine, or combined cycle system permitted after October 31, 2000, serving a generator with a nameplate capacity greater than 25 megawatts electrical and selling any amount of electricity shall not exceed:

- (1) 0.15 pounds per million Btu for gaseous and solid fuels and 0.18 pounds per million Btu for liquid fuels if it is not covered under Rule .0530 (prevention of significant deterioration) or .0531 (nonattainment area major new source review) of this Subchapter;
- (2) 0.15 pounds per million Btu for gaseous and solid fuels and 0.18 pounds per million Btu for liquid fuels or best available control technology requirements of Rule .0530 of this Subchapter, whichever requires the greater degree of reduction, if it is covered under Rule .0530 of this Subchapter; or
- (3) lowest available emission rate technology requirements of Rule .0531 of this Subchapter if it is covered under Rule .0531 of this Subchapter.

(b) Large boilers. Emissions of nitrogen oxides from any fossil fuel-fired stationary boiler, combustion turbine, or combined cycle system having a maximum design heat input greater than 250 million Btu per hour which is permitted after October 31, 2000, and not covered under Paragraph (a) of this Rule, shall not exceed:

- (1) 0.17 pounds per million Btu for gaseous and solid fuels and 0.18 pounds per million Btu for liquid fuels if it is not covered under Rule .0530 (prevention of significant deterioration) or .0531 (nonattainment area major new source review) of this Subchapter;
- (2) 0.17 pounds per million Btu for gaseous and solid fuels and 0.18 pounds per million Btu for liquid fuels or best available control technology requirements of Rule .0530 of this Subchapter, whichever requires the greater degree of reduction, if it is covered under Rule .0530 of this Subchapter; or
- (3) lowest available emission rate technology requirements of Rule .0531 of this Subchapter if it is covered under Rule .0531 of this Subchapter.

(c) Internal combustion engines. The following reciprocating internal combustion engines permitted after October 31, 2000, shall comply with the applicable requirements in Rule .1423 of this Section if the engine is not covered under Rule .0530 (prevention of significant deterioration) or .0531 (nonattainment area major source review) of this Subchapter:

- (1) rich burn stationary internal combustion engines rated at equal to or greater than 2,400 brake horsepower,
- (2) lean burn stationary internal combustion engines rated at equal to or greater than 2,400 brake horsepower,
- (3) diesel stationary internal combustion engines rated at equal to or greater than 3,000 brake horsepower, or
- (4) dual fuel stationary internal combustion engines rated at equal to or greater than 4,400 brake horsepower,

If the engine is covered under Rule .0530 of this Subchapter, it shall comply with the requirements of Rule .1423 of this Section or the best available control technology requirements of Rule .0530 of this Subchapter, whichever requires the greater degree of reduction. If the engine is covered under Rule .0531 of this Subchapter, it shall comply with lowest available emission rate technology requirements of Rule .0531 of this Subchapter.

(d) Monitoring. The owner or operator of a source subject to this Rule except internal combustion engines shall show compliance using a continuous emission monitor that meets the requirements of Rule .1404(d) of this Section. Internal combustion engines shall comply with the monitoring requirements in Rule .1423 of this Section. Monitors shall be installed before the first ozone season in which the source will operate and shall be operated each day during the ozone season that the source operates.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5), (7), (10);  
Temporary Adoption Eff. August 1, 2001; November 1, 2000;  
Eff. July 18, 2002;  
Amended Eff. June 1, 2004;  
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Amended Eff. September 29, 2009(amendment approved by RRC on May 15, 2008).*