

**15A NCAC 02D .1407 BOILERS AND INDIRECT-FIRED PROCESS HEATERS**

(a) This Rule applies geographically pursuant to 15A NCAC 02D .1402.

(b) The owner or operator of a boiler or indirect-fired process heater with a maximum heat input rate of less than or equal to 50 million Btu per hour shall comply with the annual tune-up requirements of 15A NCAC 02D .1414. The owner or operator of a boiler or indirect-fired process heater subject to the requirements of this Paragraph shall maintain records of all tune-ups performed for each source as required by 15A NCAC 02D .1404.

(c) The owner or operator of a fossil fuel-fired boiler with a maximum heat input rate less than or equal to 250 million Btu per hour but greater than 50 million Btu per hour, a boiler with a maximum heat input greater than 50 million Btu per hour that is not a fossil fuel-fired boiler, or an indirect-fired process heater with a maximum heat input greater than 50 million Btu per hour shall comply by:

- (1) installation of, if necessary, combustion modification technology or other NO<sub>x</sub> control technology and maintenance, including annual tune-ups and recordkeeping; and
- (2) compliance through source testing or continuous emission monitoring that the source complies with the following applicable limitation:

**MAXIMUM ALLOWABLE NO<sub>x</sub> EMISSION RATES FOR BOILERS AND INDIRECT PROCESS  
HEATERS  
(POUNDS PER MILLION BTU)**

| <u>Fuel/Boiler Type</u> | <u>Firing Method</u> |             |                        |
|-------------------------|----------------------|-------------|------------------------|
|                         | <u>Tangential</u>    | <u>Wall</u> | <u>Stoker or Other</u> |
| Coal (Wet Bottom)       | 1.0                  | 1.0         | N/A                    |
| Coal (Dry Bottom)       | 0.45                 | 0.50        | 0.40                   |
| Wood or Refuse          | 0.20                 | 0.30        | 0.20                   |
| Oil                     | 0.30                 | 0.30        | 0.30                   |
| Gas                     | 0.20                 | 0.20        | 0.20                   |

(d) If the emissions are greater than the applicable limitation in Paragraph (c) of this Rule after reasonable effort as defined in 15A NCAC 02D .1401, or if the requirements of this Rule are not RACT, the owner or operator may petition the Director for an alternative limitation or standard pursuant to 15A NCAC 02D .1412.

(e) Compliance with the limitation established for a boiler or indirect-fired process heater under this Rule shall be determined:

- (1) using a continuous emission monitoring system if the boiler or indirect-fired process heater is required to use a continuous emissions monitoring system as required by 15A NCAC 02D .0524 or 40 CFR Part 60 to measure emissions of nitrogen oxides; or
- (2) using annual source testing pursuant to 15A NCAC 02D .1415 for boilers or indirect-fired process heaters with a maximum heat input rate less than or equal to 250 million Btu per hour but greater than 50 million Btu per hour with the exception allowed under Paragraph (f) of this Rule.

(f) If a source covered under this Rule can burn more than one fuel, the owner or operator of the source may choose not to burn one or more of these fuels during the ozone season. If the owner or operator chooses not to burn a particular fuel, the sources testing required under Subparagraph (e)(2) this Rule shall not be required for that fuel.

(g) If two consecutive annual source tests show compliance, the Director may reduce the frequency of testing up to once every five years. In years that a source test is not done, the boiler or indirect-fired process heater shall comply with the annual tune-up requirements of 15A NCAC 02D .1414. If after the Director reduces the frequency of testing, a source test shows that the emission limit in this Rule is exceeded, the Director shall require the boiler or indirect-fired process heater to be tested annually until two consecutive annual tests show compliance. Then the Director may again reduce the frequency of testing up to once every five years.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.66; 143.215.107(a)(5); 143.215.107(a)(7); 143.215.107(a)(10); Eff. April 1, 1995; Temporary Amendment Eff. August 1, 2001; November 1, 2000; Amended Eff. June 1, 2008; July 18, 2002; Temporary Amendment Eff. December 31, 2008; Temporary Amendment expired September 29, 2009; Readopted Eff. October 1, 2020.*