

(c) Any fossil fuel fired steam generating boiler rated at more than 25 million BTU heat input per hour firing liquid fossil fuel or liquid fossil fuel in combination with liquid or gaseous fuels:

1. Distillate fuel oil: that occurring from firing a distillate fuel oil with a sulfur content equal to or less than 0.50% by weight.

2. Residual fuel oil: that occurring from firing a residual fuel oil with a sulfur content equal to or less than 1.1% sulfur by weight.

(2) When a source is subject to the emission limitations of sub. (1), the owner or operator may not exceed the following increments of progress in achieving compliance, commencing with the nonattainment determination under s. NR 401.025 (1):

(a) Submit plans for achieving compliance within 6 months.

(b) Award any necessary contracts within 9 months.

(c) Where physical alteration of the source is necessary to achieve compliance, commence construction within 12 months and complete construction within 30 months.

(d) Where only fuel modification or switching is necessary to achieve compliance, commence operation using new fuel within 21 months.

(e) Achieve final compliance with the applicable emission limitations and so certify to the department within 3 months of completion of construction or commencement of operation using new fuel.

(f) Notwithstanding the increments of progress specified in this subsection, all boilers to which sub. (1) applies shall achieve final compliance and so certify to the department on or before December 31, 1982.

History: Renum. from NR 154.12 (5), Register, September, 1986, No. 369, eff. 10-1-86; am. (1) (intro.), (b) 2. b., (c) 1. and (2) (intro.), Register, May, 1992, No. 437, eff. 6-1-92.

NR 418.035 Southeastern Wisconsin intrastate AQCR. In the Southeastern Wisconsin intrastate AQCR, installations of 250 million BTU per hour or less may not burn coal with a sulfur content exceeding 1.11 pounds per million BTU in the coal. Heat input of an installation shall follow ASME standard number APS-1, incorporated by reference in ch. NR 484.

History: Renum. from NR 417.04 and am., Register, May, 1992, No. 437, eff. 6-1-92.

NR 418.04 Milwaukee RACT sulfur limitations. (1) No person may cause, allow or permit sulfur dioxide to be emitted to the ambient air within the corporate boundaries of the city of Milwaukee, Milwaukee county, from any direct source on which construction or modification was commenced prior to December 1, 1983, averaged over any 24-hour period in amounts greater than specified in this subsection.

(a) For any electrical utility installation rated at more than 250 million BTU heat input per hour, emissions from any stack may not exceed:

1. 3.28 pounds sulfur dioxide per million BTU heat input for solid fossil fuel, 1.60 pounds sulfur dioxide per million BTU heat input for residual fuel oil and 0.50 pounds sulfur dioxide per million BTU heat input for all other fuels, or

2. Q, when different fuels are burned in combination. Q is determined by the following equation:

$$Q = \frac{X (3.28) + Y (1.60) + Z (0.5)}{X + Y + Z}$$

where Q is the sulfur dioxide emission limit for a stack expressed in pounds sulfur dioxide per million BTU heat input, X is the percent of total heat input derived from solid fossil fuel, Y is the percent of total heat input derived from residual fuel oil, and Z is the percent of total heat input derived from all other fuels.

(2) When a source is subject to the emission limitations of sub. (1), the owner or operator may not exceed the following increments of progress in achieving compliance, commencing on December 1, 1983:

(a) Submit plans for achieving compliance within 6 months.

(b) Award any necessary contracts within 9 months.

(c) Where physical alteration of the source is necessary to achieve compliance, commence construction within 12 months and complete construction by November 9, 1985.

(d) Where only fuel modification or switching is necessary to achieve compliance, commence operation using new fuel by August 9, 1985.

(e) Achieve final compliance with the applicable emission limitations and so certify to the department by November 9, 1985.

History: Renum. from NR 154.12 (6) and am. Register, September, 1986, No. 369, eff. 10-1-86; am. (1) (a), Register, May, 1992, No. 437, eff. 6-1-92.

NR 418.05 Green Bay and DePere RACT sulfur limitations. (1) No person may cause, allow or permit sulfur dioxide to be emitted to the ambient air within the corporate boundaries of the cities of Green Bay and De Pere, Brown county, from any direct source on which construction or modification was commenced prior to February 1, 1984 in amounts greater than those specified in this subsection and sub. (2).

(a) Each electric utility boiler shall comply with the following emission limitations:

1. Any electric utility boiler with the emission point at a height above ground of not less than 377 feet: 5.58 pounds of sulfur dioxide per million BTU heat input.

2. Any electric utility boiler with the emission point at a height above ground of less than 377 feet: 0.50 pounds of sulfur dioxide per million BTU heat input.

(b) Any ammonia based sulfite pulp and paper mill shall comply with the following emission limitations:

1. Each steam generating boiler capable of firing coal, spent sulfite liquor or other fuels: 5.95 pounds of sulfur dioxide per million BTU heat input.

3. Any pulp digester blow stack: 6.03 pounds of sulfur dioxide per hour.