

3745-103-58

**NO<sub>x</sub> emission limitations for group two boilers.**

[Comment: For dates and availability of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-103-01 of the Administrative Code titled "Referenced materials."]

(A) Beginning January 1, 2000 or, for a unit subject to Section 409(b) of the Clean Air Act, the date on which the unit is required to meet acid rain emission reduction requirements for SO<sub>2</sub>, the owner or operator of a group two coal-fired boiler with a cell burner boiler, cyclone boiler, a wet bottom boiler, or a vertically fired boiler shall not discharge, or allow to be discharged, emissions of NO<sub>x</sub> to the atmosphere in excess of the following limits, except as provided in rule 3745-103-62 or 3745-103-63 of the Administrative Code:

- (1) Sixty-eight hundredths pound per MMBtu of heat input on an annual average basis for cell burner boilers. The NO<sub>x</sub> emission control technology on which the emission limitation is based is plug-in combustion controls or non-plug-in combustion controls. Except as provided in paragraph (D) of rule 3745-103-57 of the Administrative Code, the owner or operator of a unit with a cell burner boiler that installs non-plug-in combustion controls shall comply with the emission limitation applicable to cell burner boilers.
- (2) Eighty-six hundredths pound per MMBtu of heat input on an annual average basis for cyclone boilers with a maximum continuous steam flow at one hundred per cent of load of greater than one thousand sixty, in thousands of pounds per hour. The NO<sub>x</sub> emission control technology on which the emission limitation is based<sup>x</sup> is natural gas reburning or selective catalytic reduction.
- (3) Eighty four hundredths pound per MMBtu of heat input on an annual average basis for wet bottom boilers, with a maximum continuous steam flow at one hundred per cent of load of greater than four hundred fifty, in thousands of pounds per hour. The NO<sub>x</sub> emission control technology on which the emission limitation is based<sup>x</sup> is natural gas reburning or selective catalytic reduction.
- (4) Eighty hundredths pound per MMBtu of heat input on an annual average basis for vertically fired boilers. The NO<sub>x</sub> emission control technology on which the emission limitation is based is combustion controls.

(B) The owner or operator shall determine the annual average NO<sub>x</sub> emission rate, in pound per MMBtu, using the methods and procedures specified in 40 CFR Part 75.

Effective:

Five Year Review (FYR) Dates: 07/31/2017

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Certification

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Date

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