

3745-103-57

**NO<sub>x</sub> emission limitations for group one phase I 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, 1996, or for a unit subject to section 404(D) 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 phase I coal-fired utility unit with a tangentially fired boiler or a dry bottom wall-fired boiler (other than units applying cell burner technology) 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 paragraph (C) or (E) of this rule or in rule 3745-103-62 or 3745-103-63 of the Administrative Code:
- (1) Forty-five hundredths pound per MMBtu of heat input on an annual average basis for tangentially fired boilers.
  - (2) Fifty hundredths pound per MMBtu of heat input on an annual average basis for dry bottom wall-fired boilers (other than units applying cell burner technology).
- (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.
- (C) Unless the unit meets the early election requirement of rule 3745-103-60 of the Administrative Code the owner or operator of a coal-fired substitution unit with a tangentially fired boiler or a dry bottom wall-fired boiler (other than units applying cell burner technology) that satisfies the requirements of paragraph (C)(2) of rule 3745-103-55 of the Administrative Code, shall comply with the NO<sub>x</sub> emission limitations that apply to group one, phase II boilers.
- (D) The owner or operator of a phase I unit with a cell burner boiler that converts to a conventional wall-fired boiler on or before January 1, 1995 or, for a unit subject to Section 404(d) of the Clean Air Act, the date the unit is required to meet acid rain emissions reduction requirements for SO<sub>2</sub> shall comply, by such respective date or January 1, 1996, whichever is later, with the NO<sub>x</sub> emissions limitation applicable to dry bottom wall-fired boilers under paragraph (A) of this rule, except as provided in paragraph (C) or (E) of this rule or in rule 3745-103-62 or 3745-103-63 of the Administrative Code.
- (E) The owner or operator of a phase I unit with a group one boiler that converts to a fluidized bed or other type of utility boiler not included in group one boilers on or

before January 1, 1995 or, a unit subject to Section 404(d) of the Clean Air Act, the date the unit is required to meet acid rain emissions reduction requirements for SO<sub>2</sub> is exempt from the NO<sub>x</sub> emissions limitations specified in paragraph (A) of this rule, but shall comply with the NO<sub>x</sub> emission limitations for group two boilers under rule 3745-103-58 of the Administrative Code.

- (F) Except as provided in rule 3745-103-60 of the Administrative Code and in paragraph (C) of this rule, each unit subject to the requirements of this rule is not subject to the requirements of rule 3745-103-59 of the Administrative Code.

Effective:

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

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Certification

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Date

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