

R307. Environmental Quality, Air Quality.

R307-316. NOx Emission Limits for Natural Gas-Fired Boilers, Steam Generators, and Process Heaters; greater than 5.0 MMBtu.

R307-316-1. Purpose.

Rule R307-316 establishes limits for the emissions of oxides of nitrogen (NOx) for new, reconstructed, or modified natural gas-fired boilers with a total rated heat input greater than 5.0 million British Thermal Units per hour (MMBtu/hr).

R307-316-2. Applicability.

Rule R307-316 applies to the following:

(1) each boiler that commences construction, modification, or reconstruction after the compliance date as defined in Section R307-316-6.

(a) fueled by natural gas,

(b) with a total rated heat input greater than 5.0 MMBtu/hr,

(c) operated in an industrial, institutional, or commercial setting,

(d) located in Salt Lake, Davis, Weber, or Tooele County.

R307-316-3. Definitions.

The following definitions apply to this rule:

"Boiler" means boiler as defined in 40 CFR 63.11237, Subpart JJJJJJ National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources, which is incorporated by reference in Rule R307-210.

R307-316-4. Emission Limits and Requirements.

(1) A person that commences construction, modification, or reconstruction of a boiler or boiler burner shall install a burner that is certified to meet a NOx emission rate of 9 parts per million by volume (ppmv) or less at 3% volume stack gas oxygen on a dry basis averaged over a period of 15 consecutive minutes.

(2) An owner or operator of a boiler subject to Subsection R307-316-4(1) shall operate and maintain the boiler and boiler burner according to the manufacturer's instructions.

(3) A manufacturer of a boiler or boiler burner meeting the requirement of Subsection R307-316-4(1) shall certify the boiler or boiler burner as complying with the emission rate in Subsection R307-316-4(1).

R307-316-5. Recordkeeping.

(1) The owner or operator of any unit subject to Rule R307-316 shall

(a) Retain documentation of the unit's emission rate specifications.

(b) Retain a copy of the manufacturer's recommendations for proper operation and maintenance of units covered by Rule R307-316.

(c) Maintain records showing proper operation and maintenance of

units covered by Rule R307-316 following manufacturer's recommendations.

(2) These records shall be retained for at least five years and shall be made available to the director upon request.

R307-316-6. Compliance Schedule.

Persons subject to this rule shall be in compliance with this rule by May 1, 2023.

KEY: air pollution, boiler, NOx, nitrogen oxides

Date of Last Change:

Authorizing, and Implemented or Interpreted Law: 19-2-104