
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).


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.


The following definitions apply to this rule:


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