

# FACT SHEET

## R307-315 NO<sub>x</sub> Emission Controls for Natural Gas-Fired Boilers 2.0-5.0 MMBtu

### Overview

The Utah Division of Air Quality Rule R307-315, establishes maximum emission thresholds for the emissions of oxides of nitrogen (NO<sub>x</sub>) for new or modified natural gas-fired boilers. It applies to each boiler that begins construction or modification after the compliance date of May 1, 2024, and is fueled exclusively by natural gas; has a total rated heat input greater than 2.0 Million British Thermal Units per hour (MMBtu/hr) and not more than 5.0 MMBtu/hr; is an industrial boiler, institutional boiler, or commercial boiler and is located in Salt Lake, Utah, Davis, Weber, or Tooele County.

### Exemptions

A temporary boiler; residential boilers; CO boilers; waste heat boilers; and process heaters as defined by this rule.

### Requirements

- A person that begins construction or modification of a boiler; replaces a burner in a boiler having only a single burner; or replaces 50% or more of the burners in a multi-burner boiler shall install a burner that meets a NO<sub>x</sub> emission rate of nine parts per million by volume or less at 3% volume stack gas oxygen on a dry basis.
- An owner or operator of a boiler shall operate and maintain the boiler and boiler subsystems including burners according to the manufacturer's instructions; determine continued compliance and meet the applicable recordkeeping requirements for any control device.

### Record Keeping

The owner or operator of any boiler shall retain documentation of the unit's emission rate specifications; a copy of the manufacturer's recommendations; records showing proper operation and maintenance and shall be retained for five years and made available to the director upon request.

### Compliance Schedule

The NO<sub>x</sub> emission requirement shall be determined according to the following procedures:

- U.S. EPA Reference Method 7E, Determination of Nitrogen Oxides Emissions from Stationary Sources; other EPA-approved testing methods acceptable to the Director; or combustion analysis as part of a regular maintenance schedule.
- Compliance Determination shall be conducted once every five years.
- The compliance schedule for this rule shall begin on May 1, 2024.

Utah Division of Air Quality

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**Contact**  
(801) 536-4000

General Air Quality information, regulations, and contact information:  
<https://deq.utah.gov/division-air-quality>

This fact sheet provides general information, see:  
<https://adminrules.utah.gov/public/home> for the entire rule.

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