



FACT SHEET - RULE 3.23

NATURAL GAS-FIRED WATER HEATERS, SMALL BOILERS AND PROCESS HEATERS

New Rule Limits Begin January 1, 2017

Background Information

On October 3, 2016, the Feather River Air Quality Management District (FRAQMD) plans to adopt Rule 3.23 - Natural Gas-Fired Water Heaters, Small Boilers, and Process Heaters. Since NO_x is one of the main components of ozone, FRAQMD has made a commitment in the 8-hour Ozone State Implementation Plan (SIP) to adopt a new rule to regulate NO_x emissions for all natural gas-fired water heaters that range in size from 75,000 up to 1,000,000 Btu/hr.

How Are You Affected?

Rule 3.23 is enforced at the point of sale, which means that manufacturers, distributors, retailers, and installers of natural gas-fired water heaters and small boilers are prohibited from selling, distributing, or installing units that are not compliant with the rule. There is no requirement to retrofit or change-out existing units.

What Equipment Units Are Subject To Rule 3.23?

New emission limits apply to the following units. See chart below for specific limits for each unit.

- Natural Gas-Fired Boiler / Process Heater = 75,000 Btu/hr - 1,000,000 Btu/hr
- Natural Gas-Fired Water Heater = 75,000 Btu/hr - 1,000,000 Btu/hr
- Natural Gas-Fired Mobile Home Water Heater = 75,000 Btu/hr - 1,000,000 Btu/hr
- Natural Gas-Fired Pool/Spa Heater = 400,000 Btu/hr - 1,000,000 Btu/hr

Category	NO _x Emission Limit Effective 1/1/2017
Boiler / Process Heater Water Heater Pool/Spa Heater	14 ng/J or 20 ppm NO _x @ 3% O ₂ Dry
Mobile Home Water Heater	40 ng/J or 55 ppm NO _x @ 3% O ₂ Dry