

RULE 360:

Form -14A

**EMISSIONS OF OXIDES OF NITROGEN FROM
LARGE WATER HEATERS AND SMALL BOILERS**

Applicability

Rule 360 applies to any person who, **on or after October 18, 2003**, supplies, sells, offers for sale, installs, or solicits the installation of any new water heater, boiler, steam generator or process heater for use within the District with a rated heat input capacity greater than or equal to 75,000 British thermal units per hour up to and including 2,000,000 British thermal units per hour.

Standards for New Units Until December 31, 2018

GROUP A UNITS

Until December 31, 2018, units with a rated heat input capacity greater than or equal to 75,000 Btu/hr and less than or equal to 400,000 Btu/hr shall meet the following standards:

- Oxides of nitrogen emissions shall not exceed 40 nanograms per joule (93 pounds oxides of nitrogen per billion British thermal unit) of heat output, or 55 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, **and**
- The unit is certified in accordance with Section E.

GROUP B UNITS

Until December 31, 2018, units with a rated heat input capacity greater than 400,000 Btu/hr and less than or equal to 2,000,000 Btu/hr shall meet the following standards:

- Oxides of nitrogen emissions shall not exceed 30 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, **and**
- Carbon monoxide emissions shall not exceed 400 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, **and**
- The unit is certified in accordance with Section E.

Standards for New Units On or After January 1, 2019

GROUP A UNITS

On or after January 1, 2019, pool heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hr and less than or equal to 400,000 Btu/hr shall meet the following standards:

- Oxides of nitrogen emissions shall not exceed 40 nanograms per joule (93 pounds oxides of nitrogen per billion British thermal unit) of heat output, or 55 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the pool heater is fired on natural gas; or oxides of nitrogen emissions shall not exceed 55 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the pool heater is fired on any other fuel, **and**
- The unit is certified in accordance with Section E.

GROUP B UNITS

On or after January 1, 2019, units (except pool heaters) with a rated heat input capacity greater than or equal to 75,000 Btu/hr and less than or equal to 400,000 Btu/hr shall meet the following standards:

- Oxides of nitrogen emissions shall not exceed 14 nanograms per joule (32.6 pounds oxides of nitrogen per billion British thermal unit) of heat output, or 20 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the pool heater is fired on natural gas; or oxides of nitrogen emissions shall not exceed 55 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the pool heater is fired on any other fuel, **and**
- The unit is certified in accordance with Section E.

GROUP C UNITS

On or after January 1, 2019, units with a rated heat input capacity greater than 400,000 Btu/hr and less than or equal to 2,000,000 Btu/hr shall meet the following standards:

- Oxides of nitrogen emissions shall not exceed 14 nanograms per joule (32.6 pounds oxides of nitrogen per billion British thermal unit) of heat output, or 20 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the unit is fired on natural gas; or oxides of nitrogen emissions shall not exceed 30 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, if the unit is fired on any other fuel, **and**
- Carbon monoxide emissions shall not exceed 400 parts per million at 3.00 percent stack gas oxygen by volume on a dry basis, **and**
- The unit is certified in accordance with Section E.

Compliance Testing

Every unit offered for sale within the District shall be certified by the Control Officer. At least 30 days prior to the date of proposed sale within the District, the manufacturer shall submit a compliance report for each new or modified unit by model. Certification shall be valid for three (3) years from the date of written approval by the Control Officer.

NOTE: The Santa Barbara County Air Pollution Control District (APCD) will recognize any units that have been previously certified in compliance with Rule 1146.2 of the South Coast Air Quality Management District (SCAQMD) and on the current SCAQMD certified list at:

<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/support-documents/rule-1146-2-details>. A separate APCD Rule 360 certification is not necessary for these units.

NOTE: Units that have been previously certified in compliance with Rule 1146.2 of the SCAQMD but not on the current SCAQMD list must submit a completed APCD Form-14 and supply the appropriate certification letter from SCAQMD for these units. Source testing reports are not required for these units.

Compliance Testing

For each model certified, the manufacturer shall obtain from an independent testing laboratory a certification source test verifying compliance with the emission limits in Section D of the rule. Source tests shall be conducted on a randomly selected unit no more than 90 days prior to the date of proposed sale of the model in the District. Tests shall be conducted and reports shall be prepared according to Section G of the rule.

Compliance Report

The compliance report shall contain the following information:

- a. General Information
 - Name and address of manufacturer,
 - Brand name,
 - Model number, as it appears on the permanent nameplate, and
 - Description of the model being certified, including burner type and rated heat input capacity.
- b. A report on the source test specified in Subsection E.1.a of the rule.
- c. A signed and dated statement attesting, under penalty of perjury, to the accuracy of all statements and information in the compliance report.

Identification of Compliant Units

The manufacturer shall display both the model number and the certification status, as determined in Section E of the rule, of an applicable unit on the permanent nameplate. If the permanent nameplate is obscured by packaging, the model number and certification status shall also appear on the packaging.

This rule is available online at:

<https://www.ourair.org/wp-content/uploads/rule360.pdf>