

**TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY
CHAPTER 100. AIR POLLUTION CONTROL**

SUBCHAPTER 31. CONTROL OF EMISSION OF SULFUR COMPOUNDS

PART 5. NEW EQUIPMENT STANDARDS

252:100-31-25. Requirements for new fuel-burning equipment

Any fuel-burning equipment that was not in being on or before July 1, 1972 or that is modified after July 1, 1972 shall comply with the following requirements.

(1) **Emission limits.** Emissions of SO₂ attributable to the burning of fuel by fuel-burning equipment shall meet the following limits.

(A) **Gaseous fuel.** Emissions of SO₂ from combustion of natural gas or other gaseous fuel in fuel-burning equipment shall not exceed 0.2 lb/MMBTU heat input (86 ng/J).

(B) **Liquid fuel.** Emissions of SO₂ from combustion of liquid fuel in fuel-burning equipment shall not exceed 0.8 lb/MMBTU heat input (340 ng/J).

(C) **Solid fuel.** Emissions of SO₂ from combustion of solid fuel in fuel-burning equipment shall not exceed 1.2 lb/MMBTU heat input (520 ng/J).

(D) **Combination of fuels burned.** When different types of fuels are burned simultaneously in any combination, emissions of SO₂ shall not exceed the applicable limit determined by proration unless a secondary fuel is used in de minimis quantities (less than five percent (5%) of total BTU heat input annually). The applicable limit, in lb/MMBTU heat input, shall be determined using the following formula, where X is the percent of total heat input derived from gaseous fuel, Y is the percent of total heat input derived from liquid fuel, and Z is the percent of total heat input derived from solid fuel:

$$\text{SO}_2 \text{ limit} = (0.2X + 0.8Y + 1.2Z)/(X + Y + Z).$$

(2) **Averaging time.** The averaging time for the emission limits set in OAC 252:100-31-25(1) is three (3) hours unless a solid fuel sampling and analysis method is used to determine emission compliance. In that case the averaging time is 24 hours.

(3) **Additional requirements for sources with heat input of 250 MMBTU/hr or more.** Any fuel-burning equipment with design heat input values of 250 MMBTU/hr or more shall comply with the following requirements.

(A) **Sulfur dioxide emissions ~~Emission monitoring.~~**

(i) ~~**Opacity.** A photoelectric or other type smoke detector and recorder shall be used to monitor opacity, except where gaseous fuel is the only fuel burned.~~

(ii) ~~**Sulfur dioxide.**~~—The owner or operator shall install, calibrate, maintain, and operate a continuous SO₂ emissions monitoring system, except where:

(I) gaseous fuel containing less than 0.1% by weight sulfur (0.29 gr/scf or approximately 500 ppmv at standard conditions on a dry basis) is the only fuel burned; or

(II) a solid or liquid fuel sampling and analysis method is used to determine SO₂ emission compliance.

~~(iii)(ii) **Installation, calibration, maintenance, and operation of emission monitoring systems.**~~—Required emission monitoring systems shall be installed, calibrated, maintained, and operated in accordance with 40 CFR Part 60, Appendix B, and 40 CFR Part 51, Appendix P.

(B) **Fuel monitoring.** The sulfur content of solid or liquid fuels as burned shall be determined in accordance with methods previously approved by the Director or in accordance with Method 19 of 40 CFR Part 60, Appendix A.

(C) **Recordkeeping.** The owner or operator shall maintain records of all measurements required in (A) and (B) of this subsection in accordance with the applicable requirements of OAC 252:100-43-7, including compliance status records and excess emissions measurements.

(4) **Alternative fuel.** The requirements of this section apply to any fuel-burning equipment that uses an alternative fuel, unless another limit representing BACT or equivalent is specified in the source's permit. Use of an alternative fuel in fuel-burning equipment is allowed, provided its use is authorized under an enforceable permit. Use of an alternative fuel in fuel-burning equipment is subject to any applicable restrictions or prohibitions that may exist in other provisions of state or federal statutes or rules, e.g., OAC 252:100-8-32.1, 252:100-31-7, 252:100-42, and/or 40 CFR Parts 60, 61, and/or 63.