

3745-18-53

**Lorain county emission limits.**

(A) Except as otherwise specified in this rule, no owner or operator of any fossil-fuel fired steam generating unit shall cause or permit the emission of sulfur dioxide to exceed the following limits from any stack:

- (1) The emission limit for sources between 10.0 and 100.0 MM Btu per hour total rated capacity shall be calculated from the following equation:

$$EL = 21.176 Qm^{-0.5477}$$

where Qm is the total rated capacity in MM Btu per hour and EL is the allowed emission rate in pounds of sulfur dioxide per MM Btu actual heat input; and

- (2) The emission limit for sources greater than, or equal to, 100.0 MM Btu per hour total rated capacity shall be 1.70 pounds of sulfur dioxide per MM Btu actual heat input.

(B) The "Cleveland Electric Illuminating Company, Avon Lake Plant" (OEPA premise number 0247030013) or any subsequent owner or operator of the "Cleveland Electric Illuminating Company, Avon Lake Plant, 33570 Lake Road, Avon Lake, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

- (1) Boiler numbers 1 through 8 and package boiler (OEPA source numbers B001 through B009); a maximum of 0.32 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (2) Boiler unit numbers 6 through 9 (OEPA source numbers B014, and B010 through B012); a maximum of 4.65 pounds of sulfur dioxide per MM Btu actual heat input from each unit.

(C) The "Ohio Edison Company, Edgewater Plant" (OEPA premise number 0247080049) or any subsequent owner or operator of the "Ohio Edison Company, Edgewater Plant, 200 Oberlin Avenue, Lorain, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

- (1) Boiler numbers 11 through 13 (OEPA source numbers B001 through B003); a maximum of 3.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (2) Combustion turbines "A" and "B" (OEPA source numbers B004 and B005); a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from

each turbine.

(D) The "~~USS/KOBE Steel Company, Lorain Cuyahoga Works~~Republic Engineered Products, Inc." (OEPA premise number 0247080229) or any subsequent owner or operator of the "~~USS/KOBE Steel Company, Lorain Cuyahoga Works~~Republic Engineered Products, Inc., 1807 East 28th Street, Lorain, Ohio" shall not cause or permit the combustion of coke-oven gas with a total sulfur content expressed as hydrogen sulfide in excess of 368 grains of hydrogen sulfide per one hundred dry standard cubic feet of coke-oven gas and shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

- (1) Blast furnace boiler numbers 1 through 9 (OEPA source numbers B001 through B009); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and a maximum of 1760 pounds of sulfur dioxide per hour from all nine boilers.
- (2) C.P. boiler numbers 10 through 12 (OEPA source numbers B010 through B012); a maximum of 1.98 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (3) Blast furnace boiler number 13 (OEPA source number B013); a maximum of 0.31 pounds of sulfur dioxide per MM Btu actual heat input.
- (4) All other operations, including soaking pit process operations and seamless rotary furnace number 4, a maximum of 1.98 pounds of sulfur dioxide per MM Btu actual heat input from each stack.
- (5) Soaking pit process operations (OEPA source numbers P006 through P018); a maximum of 279 pounds of sulfur dioxide per hour from all twelve sources.
- (6) Seamless rotary furnace number 4 (OEPA source number P029); a maximum of 178 pounds of sulfur dioxide per hour.

(E) The "Oberlin College" (OEPA premise number 0247100408); or any subsequent owner or operator of the "Oberlin College, 173 West Lorain Street, Oberlin, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

- (1) Boiler numbers 1 and 2 (OEPA source numbers B001 and B002); a maximum of 7.19 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

- (2) Boiler number 4 (OEPA source number B003); a maximum of 0.36 pounds of sulfur dioxide per MM Btu actual heat input.
- (F) The "B.F. Goodrich Company, Chemical Division, Avon Lake General Chemical Plant" (OEPA premise number 0247030004) or any subsequent owner or operator of the "B.F. Goodrich Company, Chemical Division, Avon Lake General Chemical Plant, Walker and Moore Roads, Avon Lake, Ohio" shall not cause or permit the emission of sulfur dioxide to exceed the amounts indicated:
- (1) Boiler numbers 1, 2, 5, and 6 (OEPA source numbers B001 through B003, and B008); a maximum of 0.30 pounds of sulfur dioxide per MM Btu of actual heat input from each boiler.
  - (2) Boiler numbers 3 and 4 (OEPA source numbers B007 and B006); a maximum of 5.20 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

Effective: 01/23/2006

R.C. 119.032 review dates: 10/28/2005 and 01/23/2011

CERTIFIED ELECTRONICALLY

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Certification

01/13/2006

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Date

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