

**Cuyahoga county emission limits.**

(A) No owner or operator of any coal-fired steam generating unit greater than three hundred fifty MM Btu actual heat input, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.

(B) No owner or operator of any coal-fired steam generating unit between ten MM Btu per hour and three hundred fifty MM Btu per hour, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed the following equation:

$$EL = 7.014 Q_m^{-0.3014}$$

where  $Q_m$  is the total rated capacity of heat input in MM Btu per hour and EL is the allowable emission rate in pounds of sulfur dioxide per Btu actual heat input.

(C) The "ISG Cleveland Inc." (OEPA premise number 1318001613) or any subsequent owner or operator of the "ISG Cleveland Inc., 3060 Eggers Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following source to exceed the amounts indicated:

(1) Boiler numbers 24 through 34 (OEPA source numbers B002 through B012); a maximum of 0.024 pound of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) 80 inch hot strip mill furnace numbers 1 through 3 (OEPA source numbers P001 through P003); a maximum of 0.024 pound of sulfur dioxide per MM Btu actual heat input from each furnace.

(3) Stoves for blast furnace number C-3 (OEPA source number P902); a maximum of 0.024 pound of sulfur dioxide per MM Btu actual heat input from each stove.

(4) Stoves for blast furnace number C-1 (OEPA source number P903); a maximum of 0.15 pound of sulfur dioxide per MM Btu actual heat input from each stove.

(D) [Reserved]

(E) The "Zalcon, LLC" (OEPA premise number 1318000151) or any subsequent owner or operator of the "Zalcon, LLC, 2981 Independence Road, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following source to exceed the amounts indicated:

(1) Sulfur burning contact process (OEPA source number P001); a maximum of 0.0 pounds of sulfur dioxide per ton of one hundred per cent acid produced.

- (2) Boiler number 18 (OEPA source number B001) a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.

(F) [Reserved]

(G) The "Cleveland Thermal, LLC" (OEPA premise number 1318000244) or any subsequent owner or operator of the "Cleveland Thermal, LLC, 2274 Canal Road, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 34 through 38 (OEPA source numbers B001 through B005) to exceed a maximum of 1.38 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(H) The "Cleveland Thermal, LLC" (OEPA premise number 1318000246) or any subsequent owner or operator of the "Cleveland Thermal, LLC, 1901 Hamilton Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 6 (OEPA source numbers B001 through B006) to exceed a maximum of 1.0 pound of sulfur dioxide per MM Btu actual heat input from each boiler.

(I) [Reserved]

(J) [Reserved]

(K) [Reserved]

(L) [Reserved]

(M) The "NASA John H. Glenn Research Center" (OEPA premise number 1318001169) or any subsequent owner or operator of the "NASA John H. Glenn Research Center, 21000 Brookpark Road, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amount indicated:

(1) Boiler numbers 1 and 2 (OEPA source numbers B001 and B002); a maximum of 2.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Boiler numbers 4 and 5 (OEPA source numbers B004 and B005); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(N) The "Metal Blast, Incorporated" (OEPA premise number 1318001716) or any subsequent owner or operator of the "Metal Blast, Incorporated, 871 East 67th Street, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the Whiting model number 7 cupola (OEPA source number P001) to exceed a maximum of 0.0 pounds of sulfur dioxide per ton of metal charged.

(O) The "ISG Cleveland Inc." (OEPA premise number 1318001613) or any subsequent owner or operator of the "ISG Cleveland Inc., 3060 Eggers Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the maximum amounts indicated, and shall limit the operation of said sources such that the indicated average sulfur dioxide emission rates are not exceeded for any calendar day:

- (1) Boiler numbers A, B and C (OEPA source numbers B001, B002 and B003); a maximum of 0.99 pound of sulfur dioxide per MM Btu actual heat input from each boiler and a daily average not to exceed eight hundred twenty-eight pounds of sulfur dioxide per hour from all three boilers.
- (2) Boiler number D (OEPA source number B004); a maximum of 2.45 pounds of sulfur dioxide per MM Btu actual heat input and a daily average not to exceed one thousand fifty-six pounds of sulfur dioxide per hour.
- (3) Boiler numbers 1 and 2 (OEPA source numbers B005 and B006); a maximum of 1.64 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and a daily average not to exceed three hundred fifteen pounds of sulfur dioxide per hour from both boilers.
- (4) Boiler number 3 (OEPA source number B007); a maximum of 2.39 pounds of sulfur dioxide per MM Btu actual heat input and a daily average not to exceed six hundred eighty-six pounds of sulfur dioxide per hour.
- (5) 84 inch hot slab mill furnace numbers 1, 2 and 3 (OEPA source numbers P046, P047 and P048); a maximum of 1.26 pounds of sulfur dioxide per MM Btu actual heat input from each furnace and a daily average not to exceed one thousand three hundred sixty-five pounds of sulfur dioxide per hour from all furnaces.
- (6) Boiler number 234 (OEPA source number B009);

Stoves for blast furnace numbers C-2 and C-4 (OEPA source numbers P901 and P902);

84 inch north and south anneal furnaces (OEPA source numbers P049 and P050);

"P" anneal furnaces (OEPA source number P053); and

Car thaw for coke battery numbers 6 and 7 (OEPA source numbers B905 and B906);

A maximum of 0.024 pound of sulfur dioxide per MM Btu actual heat input from each unit.

- (7) 44 inch mill soaking pit numbers 2 through 8 (OEPA source numbers P027 through P021);

45 inch mill soaking pit numbers 11 through 15 (OEPA source numbers P018 through P014);

Basic oxygen furnace shop number 2 (OEPA source numbers P905 and P906);

Coke oven battery numbers 1 through 4 (OEPA source numbers B901 through B904); and

Car thaw for coke battery numbers 1 through 4 (OEPA source numbers B901 through B904);

From the combustion of coke oven gas containing hydrogen sulfide, a maximum of twenty grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas.

- (8) Casthouses for blast furnace numbers C-5 and C-6 (OEPA source numbers P903 and P904); from the combustion of coke oven gas containing hydrogen sulfide, a maximum of three hundred ninety grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas, and the daily average not to exceed thirty-three pounds of sulfur dioxide per hour from the casthouses for either blast furnace.
- (9) Stoves for blast furnace numbers C-5 and C-6 (OEPA source numbers P903 and P904); from the combustion of coke oven gas containing hydrogen sulfide, a maximum of three hundred ninety grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas, and the daily average not to exceed fifty-three pounds of sulfur dioxide per hour from the stoves for either blast furnace.
- (10) Coke oven battery number 7 (OEPA source number B906); from the combustion of coke oven gas containing hydrogen sulfide, a maximum of three hundred ninety grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas, and the maximum production of hydrogen sulfide in coke oven gas shall not exceed three hundred fifteen pounds of hydrogen sulfide per hour.
- (11) Claus desulfurization plant for coke oven battery number 1 (OEPA source number B901); a daily average not to exceed seventy-eight pounds of sulfur dioxide per hour.
- (12) 10 inch bar mill reheat furnace (OEPA source number P013);

12 inch bar mill reheat furnace (OEPA source number P012);

98 inch slab mill furnace numbers 1 through 5 (OEPA source numbers P039 through P043);

Open hearth plant (OEPA source numbers P028 through P031); and

Sinter plant (OEPA source number P003);

A maximum of 0.0 pound of sulfur dioxide per MM Btu actual heat input from each unit.

- (13) In addition to the provisions of paragraphs (N)(1), (N)(2) and (N)(14) of this rule, powerhouse number 1, comprised of boiler numbers A through D (OEPA source numbers B001 through B004), shall be limited to the emission of sulfur dioxide not to exceed a daily average of one thousand two hundred fifty-eight pounds of sulfur dioxide per hour from all boilers.
- (14) In addition to the provisions of paragraphs (N)(1) to (N)(4) and (N)(13) of this rule, powerhouse numbers 1 and 3, comprised of boiler numbers A through D and 1 through 3 (OEPA source numbers B001 through B007), shall be limited to the emission of sulfur dioxide not to exceed a daily average of one thousand nine hundred fifty-eight pounds of sulfur dioxide per hour from all boilers.
- (15) Coke oven battery number 6 (OEPA source number B905); from the combustion of coke oven gas containing hydrogen sulfide, a maximum of 0.0 grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas and the maximum production of hydrogen sulfide in coke oven gas shall not exceed two hundred sixty five pounds of hydrogen sulfide per hour.
- (16) From the combustion of fuel oil at any source during any calendar day when coke oven gas is combusted at the facility, a maximum of 0.525 pounds of sulfur per MM Btu heat content.
- (P) The "McGeon-Rohco, Inc." (OEPA premise number 1318365229) or any subsequent owner or operator of the "McGeon-Rohco, Inc., 2910 Harvard Avenue, Cuyahoga Heights, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Boiler number 1 (OEPA source number B001); a maximum of 2.7 pounds of sulfur dioxide per MM Btu actual heat input.
  - (2) Process number 1 (OEPA source number P016); a maximum of 0.0 pound of sulfur dioxide per ton of actual process weight input.

- (Q) The "Aluminum Company of America" (OEPA premise number 1318170314) or any subsequent owner or operator of the "Aluminum Company of America, 1600 Harvard Avenue, Cuyahoga Heights, Ohio" shall not cause or the emission of sulfur dioxide from boiler numbers 1 through 5 (OEPA source numbers B001 through B005) to exceed a maximum of 5.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (R) The "Standard Oil Company (Ohio), Cleveland Asphalt Plant" (OEPA premise number 1318001871) or any subsequent owner or operator of the "Standard Oil Company (Ohio), Cleveland Asphalt Plant, 2635 Broadway Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 7, 9, and 10 (OEPA source numbers B002, B003, and B004) to exceed 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (S) [Reserved]
- (T) The "Polyclinic Hospital" (OEPA premise number 1318004505) or any subsequent owner or operator of the "Polyclinic Hospital, 6605 Carnegie Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 2 (OEPA source numbers B001 and B002) to exceed a maximum of 5.7 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (U) The "Independent Towel Supply Company" (OEPA premise number 1318002816) or any subsequent owner or operator of the "Independent Towel Supply Company", 1802 Central Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 3 (OEPA source numbers B002 and B003) to exceed 3.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (V) The "Medical Center Company" (OEPA premise number 1318003059) or any subsequent owner or operator of the "Medical Center Company, 2250 Circle Drive, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) New boiler numbers 1 and 2 (OEPA source numbers B003 and B004); a maximum of 4.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) Old boiler numbers 3 through 8 (OEPA source numbers B005 through B008); a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (W) [Reserved]
- (X) The "Cleveland Water Department, Division Pumping Station" (OEPA premise number 1318002490) or any subsequent owner or operator of the "Cleveland Water

Department, Division Pumping Station 1245 West 45th Street, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 6 (OEPA source numbers B001 through B006) to exceed 4.20 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

- (Y) The "V.A. Medical Center" (OEPA premise number 1318083522) or any subsequent owner or operator of the "V.A. Medical Center, 1000 Brecksville Road, Brecksville, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 3 (OEPA source numbers B001 through B003) to exceed a maximum of 2.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (Z) The "Ford Motor Company, Cleveland Casting Plant" (OEPA premise number 1318120180) or any subsequent owner or operator of the "Ford Motor Company, Cleveland Casting Plant, 5600 Henry Ford Boulevard, Brookpark, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 5 (OEPA source numbers B020 through B024) to exceed a maximum of 4.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (AA) The "Ford Motor Company, Cleveland Casting Plant" (OEPA premise number 1318120180) or any subsequent owner or operator of the "Ford Motor Company, Cleveland Casting Plant, 5600 Engle Road, Brookpark, Ohio" shall not cause or permit the emission of sulfur dioxide from numbers 1 through 7 cupola (OEPA source numbers P011 through P017) to exceed a maximum of 6.0 pounds of sulfur dioxide per ton of actual process weight input.
- (BB) [Reserved]
- (CC) The "General Electric Power Plant" (OEPA premise number 1318182623) or any subsequent owner or operator of the "General Electric Power Plant, Nela Park, East Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 4 (OEPA source numbers B001 and B004) to exceed a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (DD) The "General Electric Company" (OEPA premise number 1318200203) or any subsequent owner or operator of the "General Electric Company, 21800 Tungsten Road, Euclid, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Boiler number 1 (OEPA source number B001); a maximum of 1.00 pound of sulfur dioxide per MM Btu actual heat input.
  - (2) Boiler number 4 (OEPA source number B004); a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (EE) The "Addressograph Multigraph" (OEPA premise number 1318201633) or any subsequent owner or operator of the "Addressograph Multigraph, 1200 Babbitt Road,

Euclid, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 3 (OEPA source numbers B001 through B003) to exceed a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(FF) The "Lincoln Electric Company" (OEPA premise number 1318202137) or any subsequent owner or operator of the "Lincoln Electric Company, 22801 St. Clair Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 2 through 4 (OEPA source numbers B002 through B004) to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(GG) [Reserved]

(HH) The "Lear Siegler, Incorporated" (OEPA premise number 1318311012) or any subsequent owner or operator of the "Lear Siegler, Incorporated, 17600 Broadway, Maple Heights, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler number 1 (OEPA source number B001) to exceed a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input.

(II) The "GMC MFD Parma Plant" (OEPA premise number 1318451029) or any subsequent owner or operator of the "GMC MFD Parma Plant, Stumph Road and Brookpark, Parma, 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 1.53 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Boiler numbers 3 and 4 (OEPA source numbers B003 and B004); a maximum of 1.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(JJ) The "Ford Motor Company, Walton Hills Stamping Plant" (OEPA premise number 1318581043) or any subsequent owner or operator of the "Ford Motor Company, Walton Hills Stamping Plant, 7845 Northfield Road, Walton Hills, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 3 (OEPA source numbers B002 through B004) to exceed a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(KK) The "Highland View Cuyahoga County Hospital" (OEPA premise number 1318590195) or any subsequent owner or operator of the "Highland View Cuyahoga County Hospital, 3901 Ireland Drive, Warrensville Township, 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 1.50 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Boiler numbers 3 and 4 (OEPA source numbers B003 and B004); a maximum of 2.90 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(LL) The "Cleveland Electric Illuminating Company, Lake Shore Plant" (OEPA premise number 1318000245) or any subsequent owner or operator of the "Cleveland Electric Illuminating Company, Lake Shore Plant, 6800 South Marginal Drive, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

(1) Boiler numbers 91 through 94 (OEPA source numbers B001 through B004); a maximum of 1.9 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Boiler unit number 18 (OEPA source number B006); a maximum of 1.3 pounds of sulfur dioxide per MM Btu actual heat input.

(MM) [Reserved]

(NN) The "Charter Steel, Inc." (OEPA premise number 1318171623) or any subsequent owner or operator of the "Charter Steel, Inc., Cuyahoga Works, 4300 East 49th Street, Cuyahoga Heights, 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 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Boiler numbers 3 through 7 (OEPA source numbers B003 through B007); a maximum of 1.30 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(OO) The "Lakeland Sludge Handling Facility" (OEPA premise number 1318203249) or any subsequent owner or operator of the "Lakeland Sludge Handling Facility, 2700 Lakeland Boulevard, Euclid, Ohio" shall not cause or permit the emission of sulfur dioxide from incinerator numbers 1 and 2 (OEPA source numbers N001 and N002) to exceed a maximum of 2.5 pounds of sulfur dioxide per ton of material burned from each incinerator.

(PP) The "Lakewood Incinerator" (OEPA premise number 1318282775) or any subsequent owner or operator of the "Lakewood Incinerator, 12920 Berea Road, Lakewood, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:

(1) Furnace numbers 1 through 4 (OEPA source numbers N001 through N004); a maximum of 2.5 pounds of sulfur dioxide per ton of material burned from each furnace.

(2) Brush burner (OEPA source number N005); a maximum of 2.5 pounds of sulfur dioxide per ton of material burned.

(QQ) The "United States Steel Corporation, Lorain-Cuyahoga Works" (OEPA premise number 1318001622) or any subsequent owner or operator of the "United States Steel Corporation, Lorain-Cuyahoga Works, 2650 Broadway Avenue, Cleveland, 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 6 (OEPA source numbers B001 through B006); a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Blast furnace numbers D-6 and A (OEPA source numbers P001 and P002); a maximum of 0.0 pounds of sulfur dioxide per ton of iron produced.

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