

3745-18-24

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 in Cuyahoga county, 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 in Cuyahoga county, 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) [Reserved.]

(D) [Reserved.]

(E) [Reserved.]

(F) [Reserved.]

(G) The "Cleveland Thermal, LLC" (OEPA premise number 1318000246) 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, 35 and 37 (OEPA source numbers B101, B102, and B104) 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, 1921 Hamilton Avenue, Cleveland, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1, 2, 3, 5 and 6 (OEPA source numbers B001, B002, B003, B005 and 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 B014 and B015); a maximum of 2.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (2) Boiler number 5 (OEPA source number B005); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(N) [Reserved.]

(O) The "ArcelorMittal Cleveland LLC" (OEPA premise number 1318001613) or any subsequent owner or operator of the "ArcelorMittal Cleveland LLC, 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) 84 inch north and south anneal furnaces (OEPA source numbers P049 and P050); a maximum of 0.024 pound of sulfur dioxide per MM Btu actual heat input from each unit.
- (7) Basic oxygen furnace shop number 1, #1 BOF #1 vessel and #1 BOF #2 vessel (OEPA source numbers P905 and P906); 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) [Reserved.]
- (11) [Reserved.]
- (12) [Reserved.]
- (13) In addition to the provisions of paragraphs (O)(1), (O)(2), and (O)(14) of this rule, powerhouse number 1, comprised of boiler numbers A to D (OEPA source numbers B001 to 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 (O)(1) to (O)(4), and (O)(13) of this rule, powerhouse numbers 1 and 3, comprised of boiler numbers A to D and 1 to 3 (OEPA source numbers B001 to 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) [Reserved.]
- (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) [Reserved.]

(Q) [Reserved.]

(R) [Reserved.]

(S) [Reserved.]

(T) [Reserved]

(U) [Reserved.]

(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 boiler numbers 1N and 2N (OEPA source numbers B003 and B004) to exceed a maximum of 4.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(W) [Reserved.]

(X) [Reserved.]

(Y) [Reserved.]

(Z) [Reserved.]

(AA) [Reserved.]

(BB) [Reserved.]

(CC) The "GE Lighting - Nela Park" (OEPA premise number 1318182623) or any subsequent owner or operator of the "GE Lighting - Nela Park, 1975 Noble Road, 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) [Reserved.]

(EE) [Reserved.]

(FF) [Reserved.]

(GG) [Reserved.]

(HH) [Reserved.]

(II) The "General Motors LLC - Parma Plant" (OEPA premise number 1318451029) or any subsequent owner or operator of the "General Motors LLC - Parma Plant, 5400 Chevrolet Blvd., Parma, 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 1.53 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

Replaces: 3745-18-24
Effective: 02/16/2017
Five Year Review (FYR) Dates: 11/29/2021

CERTIFIED ELECTRONICALLY

Certification

02/06/2017

Date

Promulgated Under: 119.03
Statutory Authority: 3704.03(E)
Rule Amplifies: 3704.03(A), 3704.03(E)
Prior Effective Dates: 12/28/79, 10/31/91, 3/17/99, 9/1/03, 3/27/06, 2/17/11