

3745-18-82

Stark County emission limits.

(A) No owner or operator of ~~any coal-fired steam generating unit~~ the following types of facilities, unless otherwise specified ~~below in this rule~~, shall cause or permit the emission of sulfur dioxide from any ~~source to exceed a maximum of 5.6 pounds of sulfur dioxide per MM Btu actual heat input~~ stack in excess of the rates specified below:

(1) For fossil fuel-fired steam generating units between 10.0 and 60.0 MM Btu per hour total rated heat input capacity, the emission rate in pounds of sulfur dioxide per MM Btu actual heat input shall be calculated by the following equation:

$$EL = 18.48Qm^{-0.4886}$$

where:

Qm 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 MM Btu actual heat input.

(2) For fossil fuel-fired steam generating units equal to or greater than 60 MM Btu per hour total rated heat input capacity, 2.50 pounds of sulfur dioxide per MM Btu actual heat input.

(3) No owner or operator of any process equipment shall cause or permit the emission of sulfur dioxide from any stack in excess of 80.0 pounds of sulfur dioxide per ton of actual process weight input.

(B) The "Canton Drop Forging and Manufacturing Company" (OEPA premise number 1576000073) or any subsequent owner or operator of the "Canton Drop Forging and Manufacturing Company" facility located at 4575 Southway Street Southwest, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated ~~and shall limit the operation of said sources such that the indicated average operating rates are not exceeded for any calendar day~~ and the units shall not exceed the operating limits indicated:

(1) Boiler number 1 (OEPA source number B001); a maximum of 5.0 pounds of sulfur dioxide per MM Btu actual heat input and average operating rates as follows: first quarter, 49 MM Btu per hour; second quarter, 49 MM Btu per hour; third quarter, 49 MM Btu per hour; fourth quarter, 49 MM Btu per hour and a maximum heat input rate of 86 mmBtu/hr as a 3-hour average and 62.5 mmBtu/hr as a 24 hr average.

(2) Boiler numbers 2 and 3 (OEPA source number B002 and B003); a maximum of

~~1.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and combined average operating rates as follows: first quarter, 98 MM Btu per hour; second quarter, 8 MM Btu per hour; third quarter, 8 MM Btu per hour; fourth quarter, 8 MM Btu per hour. The stack height for B001 shall be a minimum of 147.5 feet.~~

- (3) For boiler numbers 2 and 3 (OEPA source numbers B002 and B003): a maximum of 2.5 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (4) The total fuel oil consumption by all forge-shop furnaces shall not exceed 775 gallons/hour, 18,600 gallons/day and 6,789,000 gallons/year. [Forge-shop furnaces include emissions units P001 through P010, P016, P017, P019 through P021, P038, P039, P041 and P046.]
- (5) The sulfur content for any fuel oil used in the forge-shop furnaces shall not exceed 0.05 percent by weight.
- (C) ~~The "Flintkote Company, Diamond Kosmos Cement Division, Eastern Cement Region~~ESSROC Cement Corp. (OEPA premise number 1576000074) or any subsequent owner or operator of the ~~"Flintkote Company, Diamond Kosmos Cement Division, Eastern Cement Region~~ESSROC Cement Corp. facility located at 8282 Middlebranch Road, Middlebranch, Ohio shall not cause or permit the emission of sulfur dioxide from kiln numbers 1 through 4 (OEPA source numbers P007 through P010) to exceed a maximum of 24 pounds of sulfur dioxide per ton of cement produced.
- (D) The "Ford Motor Company, Canton Forge Plant" (OEPA premise number 1576000261) or any subsequent owner or operator of the "Ford Motor Company, Canton Forge Plant" facility located at 3707 Georgetown Road, Canton, 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) to exceed a maximum of 2.68 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 2.91 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (E) ~~The "Ashland Oil, Incorporated~~Marathon Ashland Petroleum, LLC (OEPA premise number 1576000301) or any subsequent owner or operator of the ~~"Ashland Oil, Incorporated~~Marathon Ashland Petroleum, LLC facility located at 2408

Gambrinus Road, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated and shall operate said sources in the manner specified:

(1)

Rerun reboiler 4-0-B-3	(OEPA source number B014),
Guard case heater 4-2-B-1	(OEPA source number B016),
Reformer heater 4-2-B-2	(OEPA source number B017), and
ISO stripper heater 4-27-B-1	(OEPA source number B021);

A maximum of 0.025 pounds of sulfur dioxide per MM Btu actual heat input from each unit.

(2)

Heater 4-0-B-5	(OEPA source number unassigned);
Crude heater 4-0-B-6	(OEPA source number B015);
FCC charge heater 4-7-B-3	(OEPA source number B018);
HDS reactor charger heater 4-32-B-6	(OEPA source number B022);
Number 1 boiler 4-16-B-1	(OEPA source number B024);
Number 2 boiler 4-16-B-2	(OEPA source number B025);
Number 11 boiler 4-16-B-11	(OEPA source number B026);
Number 12 boiler 4-16-B-12	(OEPA source number B027);
Reformer heater 4-2-B-6	(OEPA source number B019);
Reduced crude heater 4-4-B-1	(OEPA source number B020), and
HDS reactor heater 4-30-B-1	(OEPA source number B023);

A maximum 1.0 pounds of sulfur dioxide per MM Btu actual heat input from each unit for all process heaters and fossil fuel-fired steam-generating units unless otherwise specified in this paragraph.

(3) Number 1 boiler 4-16-B-1, number 2 boiler 4-16-B-2, and number 12 boiler

4-16-B-12 (OEPA source number B024, B025, and B027); only two of the three boilers may be operated simultaneously.

- (4) Sulfur recovery unit (OEPA source number P001); hydrogen gases removed by the amine unit(s) and the overhead gases from the sour water stripper shall be vented to the Claus units, and the emissions from the Claus units shall not exceed a maximum of 2.0 pounds of sulfur dioxide per 100 pounds of sulfur processed, where the amount of sulfur processed is equal to the amount of sulfur entering the Clause unit plus the amount of any sulfur bypassed to the flare(s) from the amine unit and/or the sour water stripper.
- (5) FCC (OEPA source number P002); a maximum of 0.62 pounds of sulfur dioxide per one thousand pounds of fresh feed.
- (F) The "~~Greif Board~~ Brothers Corporation" (OEPA premise number 1576000431) or any subsequent owner or operator of the "~~Greif Board~~ Brothers Corporation" facility located at 9420 Warmington, Southwest, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from ~~boilers numbers 1 and 2 (OEPA source numbers B005 and B006) to exceed 1.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that their combined average operating rate shall not exceed 53 MM Btu per hour for any calendar day.~~ any stack at this facility in excess of 0.50 pound of sulfur dioxide per MM Btu actual heat input.
- (G) The "Canton Metal Alloys" (OEPA premise number 1576000475) or any subsequent owner or operator of the "Canton Metal Alloys" facility located at 1551 Belden Avenue, Southeast, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from the reverberatory lead furnace (OEPA source number P008) to exceed a maximum of 20 pounds of sulfur dioxide per ton of metal charged.
- (H) The "Superior Dairy" (OEPA premise number 1576000519) or any subsequent owner or operator of the "Superior Dairy" facility located at 4719 Navarre Road, Canton, 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 4.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that their combined average operating rate shall not exceed 20 MM Btu per hour for any calendar day.
- (I) The "Timken Company, Canton Plant Number 5" (OEPA premise number 1576050614) or any subsequent owner or operator of the "Timken Company, Canton Plant Number 5" facility located at 1835 Dueber Avenue, Southwest, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amount indicated; ~~and shall limit the operation of~~

~~said sources such that the indicated average operating rates are not exceeded for any calendar day:~~

- (1) ~~Boiler number 1 CBF A (OEPA source number B001); a maximum of 5.7 pounds of sulfur dioxide per MM Btu actual heat input and an average operating rate of 75 MM Btu per hour.~~ 3.08 pounds of sulfur dioxide per MM Btu actual heat input for the stack common to boiler numbers 1 CBF-A and 2 CBF-B (OEPA source numbers B001 and B002); and
 - (2) ~~Boiler numbers 2 CBF B and 3 CBF G (OEPA source numbers B002 and B003); a maximum of 1.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and combined average operating rates as follows: first quarter, 132 MM Btu per hour; second quarter, 90 MM Btu per hour; third quarter, 90 MM Btu per hour; fourth quarter, 90 MM Btu per hour.~~ 0.93 pounds of sulfur dioxide per MM Btu actual heat input for boiler 3 CBF-G (OEPA source number B003).
- (J) The "~~Glen Gery Corporation, East Canton Division~~RESCO Products, Inc." (OEPA premise number 1576000771) or any subsequent owner or operator of the "~~Glen Gery Corporation, East Canton Division~~RESCO Products, Inc." facility located at 6878 Osnaburg Road, East Canton, Ohio shall not cause or permit the emission of sulfur dioxide from kiln numbers 5, 7, 8, 9, 10, 11, 12, and 15 (OEPA source numbers P029 through P036) to exceed a maximum of 129 pounds of sulfur dioxide per ton of product.
- (K) The "Massillon State Hospital" (OEPA premise number 1576001045) or any subsequent owner or operator of the "Massillon State Hospital" facility located at 3000 Erie Street South, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from ~~boiler numbers 3, 4, and 5 (OEPA source numbers B001 through B003) to exceed a maximum~~ any stack at this facility in excess of 5.55.20 pounds of sulfur dioxide per MM Btu actual heat input ~~from each boiler and shall operate said boilers such that the following combined average operating rates are not exceeded for any calendar day: first quarter, 101 MM Btu per hour; second quarter, 78 MM Btu per hour; third quarter, 78 MM Btu per hour; fourth quarter, 78 MM Btu per hour.~~
- (L) The "~~Transue and Williams Division of Standard Alliance Industry~~T&W, Incorporated" (OEPA premise number 1576010081) or any subsequent owner or operator of the "~~Transue and Williams Division of Standard Alliance Industry~~T&W, Incorporated" facility located at 562 West Ely Street, Alliance, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 3001 through 3005 (OEPA source numbers B001 through B005) to exceed a maximum of 4.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that their combined average operating rate shall not

exceed 210 MM Btu per hour for any calendar day.

- (M) The "~~Babcock and Wilcox Company~~ PTC Alliance" (OEPA premise number 1576010407) or any subsequent owner or operator of the "~~Babcock and Wilcox Company~~ PTC Alliance" facility located at 640 Keystone Street, Alliance, 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 4.3 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that the following combined average operating rates are not exceeded for any calendar day: first quarter, 66 MM Btu per hour; second quarter, 66 MM Btu per hour; third quarter, 25 MM Btu per hour; fourth quarter, 66 MM Btu per hour.
- (N) The "Babcock and Wilcox Company, Alliance Research Center" (OEPA premise number 1576010601) or any subsequent owner or operator of the "Babcock and Wilcox Company, Alliance Research Center" facility located at 1562 Beeson Street Northeast, Alliance, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers H2 and H1 (OEPA source numbers B005 and B006) to exceed a maximum of 2.1 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that the following combined average operating rates are not exceeded for any calendar day: first quarter, 109 MM Btu per hour; second quarter, 53 MM Btu per hour; third quarter, 10 MM Btu per hour; fourth quarter, 53 MM Btu per hour.
- (O) The "Timken Company" (OEPA premise number 1576000613) or any subsequent owner or operator of the "Timken Company" facility located on Gambrinus Avenue, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amount indicated; ~~and shall limit the operation of said sources such that the indicated average operating rates are not exceeded for any calendar day.~~
- (1) Boiler numbers 3 and 4 (OEPA source numbers B021 and B022); a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler;
 - (2) ~~Boilers numbers 5, 2, and 1 (OEPA source numbers B023, B024 and B025); a maximum of 1.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and combined average operating rates as follows: first quarter, 145 MM Btu per hour; second quarter, 100 MM Btu per hour; third quarter, 74 MM Btu per hour; fourth quarter, 100 MM Btu per hour.~~ 0.67 pounds of sulfur dioxide per MM Btu actual heat input for fossil fuel-fired steam-generating units unless otherwise specified in paragraph (O)(1) of this rule.

- (P) The "~~Akro Corporation~~Collins & Aikman Accessory Materials" (OEPA premise number 1576050214) or any subsequent owner or operator of the "~~Akro Corporation~~Collins & Aikman Accessory Materials" facility located at 1212 Seventh Street, Southwest, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 3 and 2 (OEPA source numbers B001 and B002) to exceed a maximum of 4.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that the following combined average operating rates are not exceeded for any calendar day: first quarter, 14 MM Btu per hour; second quarter, 14 MM Btu per hour; third quarter, 13 MM Btu per hour; fourth quarter, 14 MM Btu per hour.
- (Q) The "Union Metal Manufacturing Company" (OEPA premise number 1576050501) or any subsequent owner or operator of the "Union Metal Manufacturing Company" facility located at 1432 Maple Avenue, Northeast, Canton, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 2 (OEPA source numbers B010 and B011) to exceed a maximum of 5.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall operate said boilers such that the following combined average operating rates are not exceeded for any calendar day: first quarter, 27 MM Btu per hour; second quarter, 24 MM Btu per hour; third quarter, 0.0 MM Btu per hour; fourth quarter, 0.0 MM Btu per hour.
- (R) The "Teledyne-Monarch Rubber Company" (OEPA premise number 1576080470) or any subsequent owner or operator of the "Teledyne-Monarch Rubber Company" facility located at 10 Lincoln Park, Hartsville, Ohio shall not cause or permit the emission of sulfur dioxide from boiler number 3 (OEPA source number B003) to exceed a maximum of 3.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (S) The "~~Republic Steel Corporation~~Republic Engineered Products, Inc." (OEPA premise number 1576130696) or any subsequent owner or operator of the "~~Republic Steel Corporation~~Republic Engineered Products, Inc." facility located at 410 Oberlin Avenue, Southwest, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) "Massillon Coke Plant" (OEPA source number P028); from the combustion of coke oven gas containing hydrogen sulfide, 350 grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas or the emission of sulfur dioxide from any stack in excess of 1.70 pounds of sulfur dioxide per MM Btu actual heat input.
 - (2) ~~Boilers numbers 1 through 6 (OEPA source numbers B001 through B006); a maximum of 4.3 pounds of sulfur dioxide per MM Btu actual heat input from each boiler, and the operation of said boilers shall be limited such that the~~

~~combined average heat input from coal firing shall not exceed 170 MM Btu per hour during any calendar day. 4.40 pounds of sulfur dioxide per MM Btu actual heat input from any fossil fuel-fired steam generating unit.~~

- (T) The "Republic Steel Corporation, Union Drawn Division" (OEPA premise number 1576130697) or any subsequent owner or operator of the "Republic Steel Corporation, Union Drawn Division" facility located at 401 Rose Avenue, Southeast, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 4501 and 4506 (OEPA source numbers B001 and B002) to exceed a maximum of 6.8 pounds of sulfur dioxide per MM Btu actual heat input for each boiler during the first quarter, and a maximum of 0.6 pounds of sulfur dioxide per MM Btu actual heat input for each boiler during the second, third, and fourth quarters, and shall limit the operation of said sources such that the combined average operating rate shall not exceed 59 MM Btu per hour for any calendar day any fossil-fuel fired steam generating unit stack in excess of 4.40 pounds of sulfur dioxide per MM Btu actual heat input.
- (U) The "Hoover Company, Plant 1" (OEPA premise number 1576170258) or any subsequent owner or operator of the "Hoover Company, Plant 1" facility located at 101 East Maple Street, North Canton, Ohio shall not cause or permit the emission of sulfur dioxide from boiler number B2-2 (OEPA source number B002) to exceed a maximum of 8.0 pounds of sulfur dioxide per MM Btu actual heat input. in excess of 8.0 pounds per MM Btu actual heat input for the coal-fired boiler and 0.4 pounds per MM Btu actual heat input for the gas-fired boiler.

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