

# **Chapter 3745-18 Sulfur Dioxide Regulations**

**3745-18-01 Definitions and incorporation by reference.**

(A) Except as otherwise provided in paragraph (B) of this rule, the definitions in rule 3745-15-01 of the Administrative Code shall apply to this chapter.

(B) The following definitions shall apply exclusively to this chapter:

- (1) "By-product coke oven gas" means the gas produced during the production of metallurgical coke in slot-type, by-product coke ovens.
- (2) "Calendar day" means the period of twenty-four hours from midnight to midnight.
- (3) "First quarter" means January, February and March.
- (4) "Fuel burning equipment" or "fossil fuel fired steam generator" means any furnace, boiler, apparatus, stack, and all appurtenances thereto, used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer.
- (5) "Fossil fuel" means natural gas, coke oven gas, petroleum, coal and any form of solid, liquid, or gaseous fuel derived from such materials.
- (6) "Fourth quarter" means October, November and December.
- (7) "Incinerator" means any equipment, machine, device, article, contrivance, structure, or part of a structure used to burn refuse or to process refuse material by burning other than by open burning.
- (8) "MM Btu" means millions of British thermal units.
- (9) "Natural gas" means a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane.
- (10) "Owner or operator" means any person who owns, leases, operates, controls, or supervises a facility, building, structure, or installation which directly or indirectly results or may result in emissions of sulfur dioxide.
- (11) "OEPA" means the Ohio environmental protection agency.
- (12) "Primary zinc smelter" means any installation engaged in the production of zinc or zinc oxide from zinc sulfide ore concentrates through the use of pyrometallurgical techniques.
- (13) "Process" means any source operation including any equipment, devices, or contrivances and all appurtenances thereto, for changing any material whatever or for storage or handling of any material, the use of which may cause the discharge of an air contaminant into the open air, but not including that equipment defined as a fossil fuel fired steam generator.
- (14) "Process weight" means the total weight of all materials introduced into the source operation including solid fuels, but excluding gaseous fuels and liquid fuels when

they are used solely as fuels and excluding air introduced for the purpose of combustion.

- (15) "Rated capacity" or "rated heat input capacity" means the maximum capacity guaranteed by the equipment manufacturer or the maximum normally achieved during use as determined by the director, whichever is greater.
  - (16) "Run" means the net period of time during which an emission sample is collected. Unless otherwise specified, a run may be either intermittent or continuous within the limits of good engineering practice as determined by the director.
  - (17) "Second quarter" means April, May and June.
  - (18) "Stationary gas turbine" means an engine in which a turbine is driven by expanding hot combustion gases. Such an engine typically consists of an axial-flow air compressor, one or more combustion chambers, and the turbine.
  - (19) "Stationary internal combustion engine" means a stationary engine in which combustion occurs within one or more cylinders, converting heat energy into mechanical energy, which in turn drives an electric generator or other mechanical equipment.
  - (20) "Sulfur recovery plant" means any plant that recovers elemental sulfur from any gas stream.
  - (21) "Sulfuric acid production unit" means any facility producing sulfuric acid by the contact process by burning elemental sulfur, alkylation acid, hydrogen sulfide, organic sulfides and mercaptans, or acid sludge.
  - (22) "Third quarter" means July, August and September.
  - (23) "Total rated capacity" means the sum of the rated capacities of all fuel burning equipment connected to a common stack.
- (C) Referenced materials. This chapter includes references to certain matter or materials. The text of the referenced materials is not included in the rules contained in this chapter. Information on the availability of the referenced materials as well as the date of, or the particular edition or version of the material is included in this rule. For materials subject to change, only the specific versions specified in this rule are referenced. Material is referenced as it exists on the effective date of this rule. Except for subsequent annual publication of existing (unmodified) Code of Federal Regulation compilations, any amendment or revision to a referenced document is not applicable unless and until this rule has been amended to specify the new dates.
- (1) Availability. The referenced materials are available as follows:

Code of Federal Regulations (CFR). Information and copies may be obtained by writing to: "Superintendent of Documents, Attn: New Orders, PO Box 371954, Pittsburgh, PA 15250-7954." The full text of the CFR is also available in electronic format at [www.ecfr.gov](http://www.ecfr.gov). The CFR compilations are also available for inspection and

use at most public libraries and "The State Library of Ohio."

(2) Referenced materials:

- (a) 40 CFR 52.1881; "Control strategy: Sulfur oxides (sulfur dioxide);" as published in the July 1, 2016 Code of Federal Regulations.
- (b) 40 CFR 60.45; "Subpart 'D' -- Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971, Emission and Fuel Monitoring;" 40 FR 46256, Oct. 6, 1975 as amended at 65 FR 61752, Oct. 17, 2000.
- (c) 40 CFR 60.46; "Subpart 'D' -- Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971, Test Methods and Procedures;" 54 FR 6662, Feb. 14, 1989; 54 FR 21344, May 17, 1989, as amended at 55 FR 5212, Feb. 14, 1990; 65 FR 61752, Oct. 17, 2000.
- (d) 40 CFR 60.47a; "Subpart 'Da' -- Standards of Performance for Electric Utility Steam Generating Units for Which Construction Commenced After September 18, 1978, Emission Monitoring;" 44 FR 33613, June 11, 1979, as amended at 54 FR 6664, Feb. 14, 1989; 55 FR 5212, Feb. 14, 1990; 55 FR 18876, May 7, 1990; 63 FR 49454, Sept. 16, 1998; 65 FR 61752, Oct. 17, 2000; 66 FR 18553, Apr. 10, 2001.
- (e) 40 CFR 60.47b; "Subpart 'Db' -- Standards of Performance for Industrial - Commercial - Institutional Steam Generating Units, Emission Monitoring for Sulfur Dioxide;" 52 FR 47842, Dec. 16, 1987, as amended at 54 FR 51820, Dec. 18, 1989; 55 FR 5212, Feb. 14, 1990; 55 FR 18876, May 7, 1990.
- (f) 40 CFR 60.47c; "Subpart 'Dc' -- Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units, Emission Monitoring for Sulfur Dioxide;" 55 FR 37683, Sept. 12, 1990, as amended at 65 FR 61753, Oct. 17, 2000.
- (g) 40 CFR 60.85; "Subpart 'H' -- Standards of Performance for Sulfuric Acid Plants, Test Methods and Procedures;" 54 FR 6666, Feb. 14, 1989.
- (h) 40 CFR 63.7500; "What emission limitations, work practice standards, and operating limits must I meet?;" as published in the July 1, 2016 Code of Federal Regulations.
- (i) 40 CFR 63.7540; "How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?;" as published in the July 1, 2016 Code of Federal Regulations.
- (j) 40 CFR 63.7575; "What definitions apply to this subpart?;" as published in the July 1, 2016 Code of Federal Regulations.
- (k) 40 CFR Part 50, Appendix A; "Reference Method for the Determination of Sulfur

Dioxide in the Atmosphere (Pararosaniline Method;" 47 FR 54899, Dec. 6, 1982; 48 FR 17355, Apr. 22, 1983.

- (l) 40 CFR Part 53; "Ambient Air Monitoring Reference and Equivalent Methods;" as published in the July 1, 2016 Code of Federal Regulations.
- (m) 40 CFR Part 60; "Standards of Performance for New Stationary Sources;" as published in the July 1, 2016 Code of Federal Regulations.
- (n) 40 CFR Part 60, Appendix F; "Quality Assurance Procedures;" as published in the July 1, 2016 Code of Federal Regulations.
- (o) 40 CFR Part 60, Subpart J; "Standards of Performance for Petroleum Refineries;" as published in the July 1, 2016 Code of Federal Regulations.
- (p) Method 1; contained in 40 CFR Part 60, Appendix A; "Sample and Velocity Traverses for Stationary Sources;" as published in the July 1, 2016 Code of Federal Regulations.
- (q) Method 2; contained in 40 CFR Part 60, Appendix A; "Determination of Stack Gas Velocity and Volumetric Flow Rate (Type 'S' Pitot Tube);" as published in the July 1, 2016 Code of Federal regulations.
- (r) Method 3; contained in 40 CFR Part 60, Appendix A; "Gas Analysis for the Determination of Dry Molecular Weight;" as published in the July 1, 2016 Code of Federal Regulations.
- (s) Method 4; contained in 40 CFR Part 60, Appendix A; "Determination of Moisture Content in Stack Gases;" as published in the July 1, 2016 Code of Federal Regulations.
- (t) Method 6; contained in 40 CFR Part 60, Appendix A; "Determination of Sulfur Dioxide Emissions from Stationary Sources;" as published in the July 1, 2016 Code of Federal Regulations.
- (u) Method 6A; contained in 40 CFR Part 60, Appendix A; "Determination of Sulfur Dioxide, Moisture, and Carbon Dioxide from Fuel Combustion Sources;" as published in the July 1, 2016 Code of Federal Regulations.
- (v) Method 6B; contained in 40 CFR Part 60, Appendix A; "Determination of Sulfur Dioxide and Carbon Dioxide Daily Average Emissions from Fossil Fuel Combustion Sources;" as published in the July 1, 2016 Code of Federal Regulations.
- (w) Method 6C; contained in 40 CFR Part 60, Appendix A; "Determination of Sulfur Dioxide Emissions from Stationary Sources (Instrumental Analyzer Procedure);" as published in the July 1, 2016 Code of Federal Regulations.
- (x) Method 19; contained in 40 CFR Part 60, Appendix A; "Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and

Nitrogen Dioxide Emission Rates;" as published in the July 1, 2016 Code of Federal Regulations.

- (y) Performance Specification 2; contained in of 40 CFR Part 60, Appendix B; "Specifications and Test Procedures for Sulfur Dioxide and Nitric Oxides Continuous Emission Monitoring Systems in Stationary Sources;" as published in the July 1, 2016 Code of Federal Regulations.

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Certification

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**3745-18-03 Compliance time schedules.**

(A) [Reserved.]

(B) Certification and permit application requirements.

(1) Except as otherwise provided in paragraph (B)(2) and paragraphs (B)(4) to (B)(9) of this rule, no later than December 1, 1979, any owner or operator of any sulfur dioxide emissions source subject to, and not specifically exempted from, rules 3745-18-06 to 3745-18-94 of the Administrative Code shall do either of the following:

(a) Certify in writing to the director that such source is in full compliance with all requirements of this chapter. Such certification shall include the following:

(i) Equipment description.

(ii) OEPA permit application number (if assigned).

(iii) All necessary data (consistent with the appropriate permit application appendices) and calculations which confirm the compliance status.

(iv) An application for a permit-to-operate such source in accordance with rule 3745-35-02 of the Administrative Code as it existed on December 1, 1979 if such source does not possess an effective permit.

(b) Submit an application for a permit-to-operate or an application for a modification to a permit-to-operate in accordance with rule 3745-35-02 of the Administrative Code as it existed on December 1, 1979. Such application shall include a compliance program which will bring the source into full compliance with all the requirements of this chapter as expeditiously as practicable but in no event later than the dates specified in paragraph (C) of this rule, and identify all reasonable interim control measures.

(2) No later than December 1, 1979, any owner or operator of any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-56 of the Administrative Code (Mahoning county) shall certify in writing to the director, in a form and manner the director shall specify, all data necessary to establish sulfur dioxide emission limits based on calendar year 1978 operations.

(3) For fuel burning equipment, the certification or permit applications required by paragraphs (B)(1) and (B)(2) of this rule shall include the test method for determining compliance as specified in paragraph (D) or (E) of rule 3745-18-04 of the Administrative Code, whichever is applicable.

(4) No later than December 1, 1984, the "U. S. Steel Seamless Tubular Operations, LLC - Lorain" (Ohio EPA premise number 0247080961), shall submit an application for a permit-to-operate or an application for a modification to a permit-to-operate in accordance with rule 3745-35-02 of the Administrative Code as it existed on December 1, 1984, which application shall include a compliance program which



will bring the source into full compliance with paragraph (G) of rule 3745-18-53 of the Administrative Code as expeditiously as practicable but in no event later than the date specified in paragraph (C)(5) of this rule, and identify all reasonable interim control measures.

- (5) [Reserved.]
- (6) No later than July 15, 1989, any owner or operator of the "ArcelorMittal Cleveland LLC" (OEPA premise number 1318001613) shall do the following:
- (a) Submit a compliance program that will bring the facility into compliance with paragraph (O) of rule 3745-18-24 of the Administrative Code as expeditiously as practicable, but in no event later than the date specified in paragraph (C)(7) of this rule.
  - (b) Identify all reasonable interim control measures.
- (7) No later than November 30, 1991, any owner or operator of any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-37 of the Administrative Code, Hamilton county emissions limits, shall do the following:
- (a) Submit a compliance program that will bring the source into full compliance with rule 3745-18-37 of the Administrative Code as expeditiously as practicable, but in no event later than December 22, 1993.
  - (b) Identify all reasonable interim control measures.
- (8) No later than April 20, 2000, any owner or operator of any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-15 of the Administrative Code, Butler county emissions limits, shall do the following:
- (a) Submit a compliance program that will bring the source into full compliance with rule 3745-18-15 of the Administrative Code as expeditiously as practicable, but in no event later than the date specified in paragraph (C)(6) of this rule.
  - (b) Identify all reasonable interim control measures.
- (9) The following shall submit an application for an operating permit or an application for a modification to an operating permit in accordance with Chapter 3745-77 of the Administrative Code, for sources subject to the Title V program, or in accordance with Chapter 3745-31 of the Administrative Code, for sources not subject to the Title V program. Such application shall include a compliance program which will bring the source into full compliance with this chapter as expeditiously as practicable but in no event later than the dates specified in paragraph (C) of this rule.
- (a) Not later than March 18, 2017, any owner or operator subject to paragraphs (F)(1) to (F)(8) of rule 3745-18-49 of the Administrative Code.
  - (b) Not later than April 23, 2016, any owner or operator subject to paragraphs (G)(3) to (G)(5) and (P) of rule 3745-18-47 of the Administrative Code.

- (c) Not later thirty days after the effective date of this rule, any owner or operator subject to paragraph (D)(3) of rule 3745-18-47 of the Administrative Code.

(C) Compliance time schedules.

- (1) Except as otherwise provided in paragraphs (C)(2) to (C)(11) of this rule, no owner or operator shall cause, permit, or allow the operation or other use of any air contaminant source in violation of the limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code beyond August 27, 1979.
- (2) No owner or operator shall cause, permit, or allow the operation or other use of any air contaminant source in violation of the limits specified in rules 3745-18-15 and 3745-18-83 of the Administrative Code beyond September 1, 1982.
- (3) No owner or operator shall cause, permit, or allow the operation or other use of any air contaminant source at the following facilities in violation of the limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code beyond June 17, 1980:
  - (a) "Honeywell International, Inc." / Lawrence county / Ironton / OEPA premise number 0744010002.
  - (b) "ALCOA - Cleveland Works" / Cuyahoga county / Cuyahoga Heights / OEPA premise number 1318170314.
  - (c) "AK Steel - Zanesville Works" / Muskingum county / Zanesville / OEPA premise number 0660010006.
  - (d) "Marathon Pipe Line LLC" / Hancock county / Findlay / OEPA premise number 0332010020.
  - (e) "Chemtrade Refinery Solutions Limited Partnership" / Lucas county / Oregon / OEPA premise number 0448020014.
  - (f) "Zaclon, LLC" / Cuyahoga county / Cleveland / OEPA premise number 1318000151.
  - (g) "Chemours Fort Hill Plant" / Hamilton county / North Bend / OEPA premise number 1431350817.
  - (h) "Axalta Coating Systems" / Lucas county / Toledo / OEPA premise number 0448010058.
  - (i) "General Motors LLC - Parma Plant" / Cuyahoga county / Parma / OEPA premise number 1318451029.
  - (j) "Kyklos Bearing International, Inc." / Erie county / Sandusky / OEPA premise number 0322020045.
  - (k) "Delphi Packard Electric Systems, North River Road" / Trumbull county / Warren / OEPA premise number 0278080051.

- (l) "Veyance Technologies, Inc." / Auglaize county / St. Marys / OEPA premise number 0306010138.
- (m) "ArcelorMittal Cleveland LLC" / Cuyahoga county / Cleveland / OEPA premise number 1318001613.
- (n) "Carmeuse Lime, Inc." / Lake county / Grand River / OEPA premise number 0243030257.
- (o) "Republic Steel-Massillon" / Stark county / Massillon /OEPA premise number 1576130697.
- (p) "Republic Steel" / Stark county / Canton / OEPA premise number 1576050694.
- (q) "Lima Refining Company" / Allen county / Lima / OEPA premise number 0302020012.
- (r) "Kraton Polymers U.S. LLC" / Washington county / Belpre / OEPA premise number 0684010011.
- (s) "BP-Husky Refining LLC" / Lucas county / Oregon / OEPA premise number 0448020007.
- (t) "Toledo Refining Company, LLC" / Lucas county / Oregon / OEPA premise number 0448010246.
- (u) "The Timken Company Bucyrus Bearing Plant" / Crawford county / Bucyrus / OEPA premise number 0317010168.
- (v) "The TimkenSteel Corporation - Gambrinus Steel Plant" / Stark county / Canton / OEPA premise number 1576222000.
- (w) "TimkenSteel Corporation - Faircrest Steel Plant" / Stark county / Canton / OEPA premise number 1576222001.
- (x) "TimkenSteel Corporation - Harrison Steel Plant" / Stark county / Canton / OEPA premise number 1576222002.
- (y) "Charter Steel - Cleveland Inc." / Cuyahoga county / Cuyahoga Heights / OEPA premise number 1318171623.
- (z) "Republic Steel, f/k/a Republic Engineered Products, Inc" / Lorain county / Lorain / OEPA premise number 0247080229.
- (aa) "ALTIVIA Petrochemicals, LLC" / Scioto county / Haverhill /OEPA premise number 0773000080.
- (bb) "Yorkville Energy Services Terminal" / Jefferson county / Yorkville / OEPA premise number 0641120012.
- (cc) "4K Industrial Park LLC" / Belmont county / Martins Ferry / OEPA premise

number 0607090013.

- (dd) "Duke Energy Ohio, W.C. Beckjord Station" / Clermont county / New Richmond / OEPA premise number 1413100008.
- (ee) "Miami Fort Power Station" / Hamilton county / North Bend / OEPA premise number 1431350093.
- (ff) "FirstEnergy Generation Corp., Ashtabula Plant" / Ashtabula county / Ashtabula / OEPA premise number 0204010000.
- (gg) "Cleveland Thermal LLC" / Cuyahoga county / Cleveland / OEPA premise number 1318000246.
- (hh) "Eastlake Substation" / Lake county / Eastlake / OEPA premise number 0243160009.
- (ii) "Avon Lake Power Plant" / Lorain county / Avon Lake / OEPA premise number 0247030013.
- (jj) "Conesville Power Plant" / Coshocton county / Conesville / OEPA premise number 0616000000.
- (kk) "Picway Power Plant" / Pickaway county / Lockbourne / OEPA premise number 0165000006
- (ll) "DP&L, J.M. Stuart Generating Station" / Adams county / Aberdeen / OEPA premise number 0701000007.
- (mm) "DP&L Tait Generating Station" / Montgomery county / Moraine / OEPA premise number 0857043333.
- (nn) "DP&L, O.H. Hutchings Generating Station" / Montgomery county / Miamisburg / OEPA premise number 0857780013.
- (oo) "DP&L, Yankee Street Generating Station" / Montgomery county / Centerville / OEPA premise number 0857810015.
- (pp) "W. H. Sammis Plant" / Jefferson county / Stratton / OEPA premise number 0641160017.
- (qq) "West Lorain Plant" / Lorain county / Lorain / OEPA premise number 0247080487.
- (rr) "Niles Plant" / Trumbull county / Niles / OEPA premise number 0278060023.
- (ss) "General James M. Gavin Power Plant" / Gallia county / Cheshire / OEPA premise number 0627010056.
- (tt) "Muskingum River Development, LLC" / Washington county / Waterford / OEPA premise number 0684000000.

- (uu) "Ohio Valley Electric Corp., Kyger Creek Station" / Gallia county / Cheshire / OEPA premise number 0627000003.
- (vv) "Richland Substation Peaker Facility" / Defiance county / Defiance / OEPA premise number 0320010006.
- (ww) "FirstEnergy Generation LLC, Bay Shore Plant" / Lucas county / Oregon / OEPA premise number 0448020006.
- (xx) "Stryker Substation Peaker" / Williams county / Stryker / OEPA premise number 0386000006.
- (yy) "Youngstown Thermal" / Mahoning county / Youngstown / OEPA premise number 0250110024.

(4) [Reserved.]

(5) Notwithstanding the provisions of paragraph (C)(1) of this rule, no owner or operator shall cause, permit, or allow the operation or other use of any air contaminant source in violation of the limits specified in paragraph (G) of rule 3745-18-53 of the Administrative Code beyond December 31, 1985.

(6) Notwithstanding the provisions of paragraph (C)(1) of this rule, any owner or operator utilizing low sulfur fuel, including blended or washed coal, or who installs new emission control systems, or who modifies existing emission control systems, or who ceases operation in order to comply with the specified emission limits, shall bring any air contaminant source specified in paragraph (C)(6)(a) of this rule into compliance with the limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code as expeditiously as practicable but in no event later than the compliance schedule identified in paragraph (C)(6)(b) of this rule. The compliance time schedule for each source shall commence on the effective date of the applicable emission limit as specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code.

(a) Air contaminant sources.

(i) [Reserved.]

(ii) "Conesville Power Plant" / Coshocton county / Conesville / OEPA premise number 0616000000 / OEPA source numbers B007 and B008.

(iii) Sources subject to rule 3745-18-15 of the Administrative Code.

(b) Compliance time schedule.

(i) No more than eight weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall notify the director of the intent to utilize low sulfur fuels, install new emission control systems, modify existing emission control systems, or cease operation to achieve

compliance, and if utilizing low sulfur fuel to achieve compliance, the owner or operator shall submit to the director a ten year projection of the amount of fuels by types that will be substantially adequate to enable compliance with the applicable limit.

- (ii) No more than thirty-two weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall submit to the director, if applicable, data demonstrating the availability of the low sulfur fuel projected to meet the emission limits contained in rules 3745-18-07 to 3745-18-94 of the Administrative Code.
- (iii) No more than thirty-six weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall submit to the director a statement as to whether modifications to boiler or emission control equipment will be necessary, and if modifications will be necessary, submit preliminary plans for such modifications.
- (iv) No more than forty-two weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall submit to the director final plans for equipment modifications necessary to achieve compliance.
- (v) No more than fifty weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall award contracts for necessary boiler or emission control modifications, if applicable, and notify the director in writing that such action was taken or, if applicable, submit to the director a detailed schedule for final closure.
- (vi) No more than sixty weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator of a facility specified in paragraph (C)(6)(a) of this rule shall initiate on-site modifications, if applicable, and notify the director that such action was taken.
- (vii) No more than one hundred eighteen weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator utilizing low sulfur fuel to achieve compliance at a facility specified in paragraph (C)(6)(a) of this rule shall complete on-site modifications, if applicable, and notify the director in writing that such action was taken.
- (viii) No more than one hundred twenty-two weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator using low sulfur fuels to achieve compliance at a facility specified in paragraph (C)(6)(a) of this rule shall achieve final compliance with the applicable emission limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code and certify compliance to the director in accordance

with rule 3745-18-04 of the Administrative Code.

- (ix) No more than one hundred forty-four weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator installing new emission control systems, or modifying existing emission control systems in order to comply with the emission limits at a facility specified in paragraph (C)(6)(a) of this rule shall complete on-site modifications or installations and notify the director in writing that such action was taken.
- (x) No more than one hundred fifty-six weeks after the commencement date specified in paragraph (C)(6) of this rule, the owner or operator installing new emission control systems, or modifying existing emission control systems in order to comply with the emission limits at a facility specified in paragraph (C)(6)(a) of this rule shall achieve final compliance with the applicable emission limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code and certify compliance to the director in accordance with rule 3745-18-04 of the Administrative Code.

(7)

- (a) Notwithstanding the provisions of paragraph (C)(1) of this rule, any owner or operator who utilizes low sulfur fuels, or who installs new emission control systems, or who modifies existing emission control systems, or who ceases operation in order to comply with the specified emission limits, shall bring any subject air contaminant source into compliance with the limits specified in paragraph (O) of rule 3745-18-24 of the Administrative Code as expeditiously as practicable but in no event later than the compliance schedule identified in paragraph (C)(7)(b) of this rule. The commencement date of the compliance time schedule shall be October 31, 1991.

(b) Compliance time schedule.

- (i) No more than eight weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall notify the director of the intent to utilize low sulfur fuels, install new emission control systems, modify existing emission control systems, or cease operation to achieve compliance, and if utilizing low sulfur fuel to achieve compliance, the owner or operator shall submit to the director a ten year projection of the amount of fuels by types that will be substantially adequate to enable compliance with the applicable emission limits.
- (ii) No more than sixteen weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall submit to the director, if applicable, data demonstrating the availability of the low sulfur fuel projected to meet the applicable emission limits.
- (iii) No more than twenty-five weeks after the commencement date specified in

paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall submit to the director a statement as to whether modifications to boiler or emission control equipment will be necessary to achieve compliance, and if modifications will be necessary, submit preliminary plans for such modifications.

- (iv) No more than thirty-two weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall submit to the director final plans for equipment modifications necessary to achieve compliance.
- (v) No more than forty-eight weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall award contracts for necessary boiler or emission control modifications, if applicable, and notify the director in writing that such action was taken or, if applicable, submit to the director a detailed schedule for final closure.
- (vi) No more than sixty weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator of a facility specified therein shall initiate on-site modifications, if applicable, and notify the director that such action was taken.
- (vii) No more than one hundred twelve weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator utilizing low sulfur fuel to achieve compliance at a facility specified therein shall complete on-site modifications, if applicable, and notify the director in writing that such action was taken.
- (viii) No more than one hundred twenty-four weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator utilizing low sulfur fuel to achieve compliance at a facility specified therein shall achieve final compliance with the applicable emission limits and certify compliance to the director in accordance with paragraph (B) of this rule.
- (ix) No more than one hundred forty-four weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator installing new emission control systems, or modifying existing emission control systems in order to achieve compliance at a facility specified therein shall complete on-site modifications or installations and notify the director in writing that such action was taken.
- (x) No more than one hundred fifty-six weeks after the commencement date specified in paragraph (C)(7)(a) of this rule, the owner or operator installing new emission control systems or modifying existing emission control systems in order to achieve compliance at a facility specified therein shall achieve final compliance with the applicable emission limits specified in paragraph (O) of rule 3745-18-24 of the Administrative Code and certify



compliance to the director in accordance with rule 3745-18-04 of the Administrative Code.

(8)

(a) Notwithstanding the provisions of paragraph (C)(1) of this rule and except as provided in paragraph (C)(9) of this rule, any owner or operator who utilizes low sulfur fuels, or who installs new emission control systems, or who modifies existing emission control systems, or who ceases operation in order to comply with the specified emission limits, shall bring any subject air contaminant source into compliance with the limits specified in rule 3745-18-37 of the Administrative Code, Hamilton county emission limits, as expeditiously as practicable but in no event later than the compliance schedule identified in paragraph (C)(8)(b) of this rule. The commencement date of the compliance time schedule shall be October 31, 1991.

(b) Compliance time schedule.

(i) No later than July 31, 1992, the owner or operator of a facility specified in paragraph (C)(8)(a) of this rule shall notify the director of the intent to utilize low sulfur fuels, install new emission control systems, modify existing emission control systems, or cease operation to achieve compliance, and if utilizing low sulfur fuel to achieve compliance, the owner or operator shall submit to the director a ten year projection of the amount of fuels by types that will be substantially adequate to enable compliance with the applicable emission limits.

(ii) No later than September 25, 1992, the owner or operator of a facility specified in paragraph (C)(8)(a) of this rule shall submit to the director, if applicable, data demonstrating the availability of the low sulfur fuel projected to meet the applicable emission limits.

(iii) No later than October 9, 1992, the owner or operator of a facility specified in paragraph (C)(8)(a) of this rule shall submit to the director a statement as to whether modifications to boiler or emission control equipment will be necessary to achieve compliance, and if modifications will be necessary, submit preliminary plans for such modifications.

(iv) No later than January 20, 1993, the owner or operator of a facility specified in paragraph (C)(8)(a) of this rule shall submit to the director final plans for equipment modifications necessary to achieve compliance.

(v) No later than February 7, 1993, the owner or operator of a facility specified in paragraph (C)(8)(a) of this rule shall award contracts for necessary boiler or emission control modifications, if applicable, and notify the director in writing that such action was taken or, if applicable, submit to the director a detailed schedule for final closure.

(vi) No later than June 9, 1993, the owner or operator of a facility specified in

paragraph (C)(8)(a) of this rule shall initiate on-site modifications, if applicable, and notify the director that such action was taken.

- (vii) No later than August 4, 1993, the owner or operator utilizing low sulfur fuel to achieve compliance at a facility specified in paragraph (C)(8)(a) of this rule shall complete on-site modifications, if applicable, and notify the director in writing that such action was taken.
- (viii) No later than September 15, 1993, the owner or operator utilizing low sulfur fuel to achieve compliance at a facility specified in paragraph (C)(8)(a) of this rule shall achieve final compliance with the applicable emission limits and certify compliance to the director in accordance with paragraph (B) of this rule.
- (ix) No later than November 10, 1993, the owner or operator installing new emission control systems, or modifying existing emission control systems in order to achieve compliance at a facility specified in paragraph (C)(8)(a) of this rule shall complete on-site modifications or installations and notify the director in writing that such action has been taken.
- (x) No later than December 22, 1993, the owner or operator installing new emission control systems or modifying existing emission control systems in order to achieve compliance at a facility specified in paragraph (C)(8)(a) of this rule shall achieve final compliance with the applicable emission limits specified in rule 3745-18-37 of the Administrative Code and certify compliance to the director in accordance with rule 3745-18-04 of the Administrative Code.

(9)

- (a) Notwithstanding the provisions of paragraph (C)(1) of this rule, any owner or operator who utilizes low sulfur fuels, or who installs new emission control systems, or who modifies existing emission control systems, or who ceases operation in order to comply with the specified emission limits, shall bring any subject air contaminant source into compliance with the limits specified in paragraph (BB) of rule 3745-18-37 of the Administrative Code as expeditiously as practicable but in no event later than the compliance schedule identified in paragraph (C)(9)(b) of this rule. The commencement date of the compliance time schedule shall be October 31, 1991.

(b) Compliance time schedule.

- (i) No later than November 6, 1991, the owner or operator of the facility shall submit to the director a final control plan that describes at a minimum the steps which will be taken to achieve compliance; and if utilizing low sulfur fuel to achieve compliance, the owner or operator shall submit to the director a ten year projection of the amount of fuels by types that will be substantially adequate to enable compliance with the applicable emission limits.

- (ii) No later than January 1, 1992, the owner or operator of the facility shall submit to the director, if applicable, data demonstrating the availability of the low sulfur fuel projected to meet the applicable emission limits.
- (iii) No later than August 6, 1992, the owner or operator of the facility shall negotiate and sign all necessary contracts, or issue orders for the purchase of component parts and notify the director in writing that such action was taken.
- (iv) No later than October 6, 1992, the owner or operator of the facility shall initiate on-site construction or installation and notify the director that such action was taken.
- (v) No later than November 22, 1993, the owner or operator of the facility shall complete construction, or cease operation of OEPA source number B007, and shall certify compliance to the director in accordance with paragraph (B) of this rule.
- (vi) After December 22, 1993, source B007 shall not be operated except in compliance with the requirements of paragraph (BB) of rule 3745-18-37 of the Administrative Code.

(10) [Reserved.]

(11) Notwithstanding paragraph (C)(1) of this rule, no owner or operator shall cause, permit, or allow the operation or other use of any air contaminant source in violation of the limits specified as follows:

- (a) Beyond March 18, 2017 in for paragraphs (F)(1) to (F)(7) of rule 3745-18-49 of the Administrative Code.
- (b) Beyond January 1, 2017 for paragraphs (D)(1) to (D)(2), (G)(3) to (G)(5), and (P) of rule 3745-18-47 of the Administrative Code.
- (c) Beyond the effective date of this rule for paragraph (D)(3) of rule 3745-18-47 of the Administrative Code.

(D) Alternative emission limits.

(1) Any owner or operator of an air contaminant source specified in paragraphs (D)(1)(a) to (D)(1)(c) of this rule having alternative sulfur dioxide emission limits specified in rules 3745-18-06 to 3745-18-94 of the Administrative Code shall notify the director of the selected emission limits in accordance with the requirements of paragraphs (D)(2)(a) and (D)(2)(b) of this rule.

(a) [Reserved.]

(b) "Ford Motor Company" (OEPA premise number 1431140861); paragraph (V)(1) or (V)(2) of rule 3745-18-37 of the Administrative Code.

- (c) "Miami Fort Power Station" (OEPA premise number 1431350093); paragraph (BB)(3) of rule 3745-18-37 of the Administrative Code.
- (2) Alternate emission limits.
- (a) No more than eight weeks after the effective date of the applicable emission limits the owner or operator shall notify the director of the selected alternative emission limits and shall bring any subject source into compliance with the selected alternative emission limits as expeditiously as practicable, but in no event later than the compliance schedule specified in paragraph (C)(8) or (C)(9) of this rule.
  - (b) If, after the final compliance date, any owner or operator of an air contaminant source specified in paragraphs (D)(1)(a) to (D)(1)(c) of this rule elects to comply with an alternative emission limit not selected under the provisions of paragraph (D)(2)(a) of this rule, such owner or operator shall notify the director at least ninety days prior to the intended date of final compliance with the new limits. Any air contaminant source having alternative emission limits shall continuously comply with one of the alternative emission limits at all times after the final compliance date.

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10/23/2015, 02/16/2017

**3745-18-04 Measurement methods and procedures.**

[Comment: For dates and availability of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-18-01 of the Administrative Code titled "referenced materials."]

- (A) Unless otherwise specified in paragraphs (B) to (E) of this rule, the non-continuous test methods used for determining compliance with the allowable emission limits in rules 3745-18-06 to 3745-18-94 of the Administrative Code shall be those specified in 40 CFR Part 60.
- (B) The test methods and procedures used for determining compliance with the allowable emission limits for any sulfur recovery plant shall be those specified in 40 CFR 60.46.
- (C) The test methods and procedures used for determining compliance with the allowable emission limit for any sulfuric acid production unit or any primary zinc smelter shall be those specified in 40 CFR 60.85.
- (D) Unless otherwise specified in this rule, the test methods and procedures used for determining compliance with the allowable emission limit for any fuel burning equipment burning coal shall be one of the following:
  - (1) Stack gas sampling using USEPA methods 1 to 4, and 6, 6A, 6B or 6C, at a frequency to be determined by the director.
  - (4) [Reserved.]
  - (7) [Reserved.]
  - (8) For any fuel burning equipment burning coal at any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-37 of the Administrative Code, Hamilton county emission limits, emission tracking, recordkeeping, and reporting requirements shall be one of the following:
    - (a) Continuous emission monitoring using continuous monitoring systems meeting the requirements of "Performance Specification 2" in 40 CFR Part 60, Appendix B and 40 CFR Part 60, Appendix F . Emission rates shall be determined using methods specified in 40 CFR 60.45 and 40 CFR 60.47a, 40 CFR 60.47b or 40 CFR 60.47c.
    - (b) Coal sampling and analysis in accordance with USEPA method 19. Emission tracking procedures shall consist of weekly, as-fired fuel sampling for all sources greater than one hundred MM Btus per hour actual heat input capacity. The representative sulfur dioxide emission rate from any sample shall be calculated using the formulas in paragraph (F) of this rule.
    - (c) Either monthly composite sampling consistent with paragraph (D)(8)(b) of this rule, or fuel supplier analyses, for all sources greater than ten MM Btus per hour heat input capacity and less than one hundred MM Btus per hour heat input capacity. Fuel supplier analyses shall be obtained for each shipment received. The representative sulfur dioxide emission rate from any sample or fuel supplier analysis shall be calculated using the formulas in paragraph (F) of this rule.

- (d) In lieu of the emission tracking requirements in paragraphs (D)(8)(a) to (D)(8)(c) of this rule, the owners or operators of the following sources shall provide coal sampling and analysis in accordance with USEPA method 19 and in accordance with the requirements indicated:
  - (i) [Reserved.]
  - (ii) [Reserved.]
  - (iii) [Reserved.]
  - (iv) [Reserved.]
  - (v) [Reserved.]
  - (vi) Until December 22, 1993, "University of Cincinnati" (OEPA premise number 1431070849); ECUP boiler 3 (OEPA source B108); one representative coal sample per week for analysis. The coal sample shall consist of at least one sample increment per boiler and each increment shall weigh a minimum of five pounds each.
- (e) Any owner or operator required to perform emissions tracking pursuant to paragraph (D)(8) of this rule shall maintain such records for a period of not less than three years and shall make such records available for inspection by and submittal to the director upon request.
- (9) For any fuel burning equipment burning coal at any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-15 of the Administrative Code compliance with the applicable sulfur dioxide emission limits shall be determined using one of the following methods:
  - (a) Stack gas sampling using USEPA methods 1 to 4, and 6, 6A, 6B or 6C, at a frequency to be determined by the director.
  - (b) Continuous emission monitoring using continuous monitoring systems meeting the requirements of "Performance Specification 2" as specified in 40 CFR Part 60, Appendix B and the requirements specified in 40 CFR Part 60, Appendix F, with any necessary modifications approved by the director. Emission rates shall be determined using methods specified in 40 CFR 60.45 and 40 CFR 60.47a, 40 CFR 60.47b or 40 CFR 60.47c. Compliance with the applicable sulfur dioxide emission limits shall be based on daily average calculations.

- (c) COAL SAMPLING AND ANALYSIS IN ACCORDANCE WITH 40 CFR, PART 60, "APPENDIX A, METHOD 19," OR EQUIVALENT METHODS AS APPROVED BY THE DIRECTOR. THE REPRESENTATIVE SULFUR DIOXIDE EMISSION RATE FROM ANY SAMPLE SHALL BE CALCULATED USING THE FORMULAS IN PARAGRAPH (F) OF THIS RULE. COAL MONITORING AND COMPLIANCE DETERMINATION PROCEDURES SHALL BE:
- (i) EXCEPT AS SPECIFIED BY THE DIRECTOR, FOR ALL FACILITIES GREATER THAN ONE THOUSAND MILLION BTUS PER HOUR HEAT INPUT CAPACITY, DAILY AS-FIRED FUEL SAMPLING. COMPLIANCE WITH THE APPLICABLE SULFUR DIOXIDE EMISSION LIMITS SHALL BE DETERMINED BASED ON A DAILY AVERAGE.
  - (ii) FOR ALL FACILITIES GREATER THAN ONE HUNDRED MILLION BTUS PER HOUR HEAT INPUT CAPACITY AND LESS THAN OR EQUAL TO ONE THOUSAND MILLION BTUS PER HOUR HEAT INPUT CAPACITY, MONTHLY COMPOSITE SAMPLING. SUCH COMPOSITE SAMPLES SHALL BE COMPOSED OF EITHER PERIODIC AS-FIRED SAMPLES, WITH THE COLLECTION FREQUENCY DETERMINED BY THE DIRECTOR, OR AS-RECEIVED SAMPLES WITH A MINIMUM OF ONE SAMPLE PER TRUCKLOAD OR CARLOAD. COMPLIANCE WITH THE APPLICABLE SULFUR DIOXIDE EMISSION LIMIT SHALL BE DETERMINED BASED ON THE ANALYSIS OF EACH MONTHLY COMPOSITE SAMPLE.
  - (iii) FOR ALL FACILITIES GREATER THAN TEN MILLION BTUS PER HOUR HEAT INPUT CAPACITY AND LESS THAN OR EQUAL TO ONE HUNDRED MILLION BTUS PER HOUR HEAT INPUT CAPACITY, EITHER MONTHLY COMPOSITE SAMPLING CONSISTENT WITH PARAGRAPH (D)(9)(c)(ii) OF THIS RULE, OR MONTHLY AVERAGE FUEL ANALYSIS BASED ON FUEL SUPPLIER ANALYSES. FUEL SUPPLIER ANALYSES SHALL BE OBTAINED FOR EACH SHIPMENT RECEIVED DURING THE CALENDAR MONTH. COMPLIANCE WITH THE APPLICABLE SULFUR DIOXIDE EMISSION LIMIT SHALL BE DETERMINED BASED ON THE WEIGHTED ARITHMETIC AVERAGE OF ALL FUEL SUPPLIER ANALYSES FOR EACH CALENDAR MONTH.

(D)(9)(c) Adopted March 1, 2000, effective March 21, 2000.



- (10) For any fuel burning equipment burning coal at the "Painesville Municipal Electric Plant" (OEPA premise number 0243110008) facility located in Painesville, Ohio, compliance with the sulfur dioxide emissions rates specified in paragraphs (F)(4) to (F)(6) of rule 3745-18-49 of the Administrative Code shall be demonstrated by calculating an average emission rate in pounds per hour over thirty operating days. Emissions shall be calculated for each operating hour by multiplying the heat input times the applicable emission rate in pounds of sulfur dioxide per MM Btu. The emission rate shall be determined in accordance with paragraph (F) of this rule. The average emission rate shall be calculated using the following equation:

$$E_{avg} = \frac{\sum_{i=1}^n H_i * ER_i}{n}$$

where:  $E_{avg}$  is the arithmetic average emissions in pounds per hour.

$H_i$  is the hourly heat input in MM Btu for hour  $i$ .  $H_i$  is determined by a computerized system, or by monitoring the hourly steam production rate and back-calculating the heat input in accordance with the heat balance method or other approved equivalent method.

$ER_i$  is the emission rate in pounds of sulfur dioxide per MM Btu, determined in accordance with paragraph (F) of this rule. If multiple fuels are used, the emission rate shall be calculated as a weighted average based on the heat input of each fuel burned.

$n$  is the number of operating hours during a period of thirty consecutive operating days. An operating day means a twenty-four-hour period that begins at midnight and ends the following midnight during which any fuel is combusted at any time, except that if the schedule for calculating emission averages is revised, an operating day shall mean a twenty-four-hour period between consecutive scheduled emission average calculations during which any fuel is combusted at any time.

The daily rolling arithmetic average is calculated on a fixed schedule updated at twelve a.m. every operating calendar day unless an alternative fixed daily schedule is approved by the director. The director shall notify the United States environmental protection agency upon the approval of any alternate averaging schedule.

- (11) For any fuel burning equipment burning coal at the "Cardinal Power Plant" (OEPA premise number 0641050002) or any subsequent owner or operator of the "Cardinal Power Plant" facility in Brilliant, Ohio, compliance with the sulfur dioxide emissions rate specified in paragraph (D)(3) of rule 3745-18-47 of the Administrative Code shall be demonstrated by calculating an average emission rate in pounds per hour over thirty operating days. Emissions shall be calculated for each operating hour for main boiler unit numbers 1, 2 and 3 (OEPA source numbers B001, B002 and B009), combined, as a summation of the emission rates determined in accordance with paragraph (D)(2) of this rule. The permittee may remove values which were substituted for missing data in accordance with 40 CFR Part 75 Subpart D. Compliance with the combined average sulfur dioxide emission rate shall be calculated using the following equation:

$$E_{avg} = \left( \sum_{i=1}^n (SO_{2,B001} + SO_{2,B002} + SO_{2,B009}) \right) / n$$

where:  $E_{avg}$  is the arithmetic average SO<sub>2</sub> emissions in pounds per hour as a rolling, thirty-operating-day average computed at the end of each operating day.

$SO_{2,B001}$  = SO<sub>2</sub> emissions from emissions unit B001, in pounds/hr for hour i.

$SO_{2,B002}$  = SO<sub>2</sub> emissions from emissions unit B002, in pounds/hr for hour i.

$SO_{2,B009}$  = SO<sub>2</sub> emissions from emissions unit B009, in pounds/hr for hour i.

n = number of operating hours in the rolling, thirty-operating-day averaging period, minus the number of operating hours excluded from the calculation due to missing data.

An operating hour is an hour in which any of units B001, B002 or B009 are operating. An operating day is a day in which any of units B001, B002 or B009 are operating for any portion of the day. A value of  $E_{avg}$  shall be computed for each operating day and the twenty-nine preceding operating days.

- (E) Unless otherwise specified in this rule, the test methods and procedures used for determining compliance with the allowable emission limit for any fuel burning equipment burning fuels other than coal shall be one of the following:
- (1) Stack gas sampling using USEPA methods 1 to 4, and 6, 6A, 6B or 6C, at a frequency to be determined by the director.
  - (5) For any fuel burning equipment burning fuels other than coal at any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-37 of the Administrative Code, Hamilton county emission limits, compliance with the applicable sulfur dioxide emission limits shall be determined using stack gas sampling using USEPA methods 1 to 4 and 6, 6A, 6B or 6C.
  - (6) For any fuel burning equipment burning fuels other than coal at any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-37 of the Administrative Code, Hamilton county emission limits, emission tracking, recordkeeping and reporting requirements shall be one of the following:
    - (a) Continuous emission monitoring using continuous monitoring systems meeting the requirements of "Performance Specification 2" as specified in 40 CFR Part 60, Appendix B and 40 CFR Part 60, Appendix F. Emission rates shall be determined using methods specified in 40 CFR 60.45 and 40 CFR 60.47a, 40 CFR 60.47b or 40 CFR 60.47c.
    - (b) Fuel sampling and analysis in accordance with USEPA method 19, or the appropriate ASTM methods. In lieu of performing on-site sampling, representative fuel analyses performed by the fuel suppliers may be acceptable. The representative sulfur dioxide emission rate from any sample shall be calculated using the formulas in paragraph (F) of this rule. The sampling frequency shall be, at a minimum, such that at least one analysis is obtained

from each shipment of fuel.

- (7) For any fuel burning equipment burning fuels other than coal at any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-15 of the Administrative Code, Butler county emission limits, compliance with the applicable sulfur dioxide emission limits shall be determined using the methods described in paragraphs (E)(7)(a) to (E)(7)(c) of this rule. A determination of noncompliance pursuant to any of these methods shall not be refuted by evidence of compliance pursuant to any other of these methods:
- (a) Stack gas sampling using USEPA methods 1 to 4, and 6, 6A, 6B or 6C, at a frequency to be determined by the director.
  - (b) Continuous emission monitoring using continuous monitoring systems meeting the requirements of "Performance Specification 2" as specified in 40 CFR Part 60, Appendix B and 40 CFR Part 60, Appendix F with any necessary modifications approved by the director. Emission rates shall be determined using methods specified in 40 CFR 60.45 and 40 CFR 60.47a, 40 CFR 60.47b or 40 CFR 60.47c. Compliance with the applicable sulfur dioxide emission limits shall be based on daily average calculations.
  - (c) Fuel sampling and analysis in accordance with USEPA method 19 or the appropriate ASTM methods, or equivalent methods as approved by the director. In lieu of performing on-site sampling, representative fuel analyses performed by the fuel suppliers may be acceptable. The representative sulfur dioxide emission rate from any sample shall be calculated using the formulas in paragraph (F) of this rule. The sampling frequency shall be, at a minimum, such that a sulfur dioxide emission rate representative of the thirty-day average emission rate can be determined.
- (F) Sulfur dioxide emissions from fuel samples shall be calculated as follows:
- (1) From solid fuels:
 
$$ER = (1 \times 10^6)/H \times S \times 1.9$$

where: ER = the emission rate in pounds of sulfur dioxide per MM Btu.

H = the heat content of the solid fuel in Btu per pound.

S = the decimal fraction of sulfur in the solid fuel.
  - (2) From liquid fuels:
 
$$ER = (1 \times 10^6)/H \times D \times S \times 1.974$$

where: ER = the emission rate in pounds of sulfur dioxide per MM Btu.

H = the heat content of the liquid fuel in Btu per gallon.

D = the density of the liquid fuel in pounds per gallon.

S = the decimal fraction of sulfur in the liquid fuel.

- (3) From gaseous fuels other than natural gas as specified in paragraph (F)(4) of this rule:

$$ER = (1 \times 10^6)/H \times D \times S \times 1.998$$

where: ER = the emission rate in pounds of sulfur dioxide per MM Btu.

H = the heat content of the gaseous fuel in Btu per standard cubic foot.

D = the density of the gaseous fuel in pounds per standard cubic foot.

S = the decimal fraction of sulfur in the gaseous fuel.

- (4) From natural gas, the sulfur dioxide emission rate shall be considered to be equal to 0.0 pounds of sulfur dioxide per MM Btu.

- (G) All data, calculations and reports from any performance test, continuous monitor or fuel sample developed for the purpose of demonstrating compliance with rules 3745-18-06 to 3745-18-94 of the Administrative Code shall be retained for a minimum of three years and shall be available for inspection by the director or the director's representative.
- (H) Any owner or operator of any sulfur dioxide emissions source subject to, and not specifically exempted from, rule 3745-18-37 of the Administrative Code, Hamilton county emission limits, shall document any compliance test or applicable emission tracking procedure, shall document compliance with any applicable operating rate limits and shall retain all data, calculations and reports from any performance test, continuous emission monitor, fuel sample, or operating rate monitor utilized for the purpose of demonstrating compliance with the applicable emission limits, emission tracking requirements, or operating rate limits for a period of not less than three years and shall make such records available for inspection by and submittal to the director upon request.
- (I) Nothing in this rule shall be interpreted to prevent the director from issuing orders pursuant to section 3704.03 of the Revised Code to require performance testing, continuous emission monitoring, or fuel sampling or to require record-keeping and reporting of emission information. Any such data may be used to further evaluate compliance with rules 3745-18-06 to 3745-18-94 of the Administrative Code.
- (J) Any owner or operator of any sulfur dioxide source subject to, and not specifically exempted from, paragraphs (B)(5), (B)(6), (B)(7), (B)(8), (B)(11), (B)(13) and (B)(14) of rule 3745-18-49 of the Administrative Code, "Lubrizol Corporation" processes "M", "N", "O", "W" and "AC" (OEPA source numbers P012, P013, P014, P022 and P030), shall demonstrate compliance with the combined hourly emission limits by performing emission tests in accordance with USEPA method 6 or USEPA method 6C, and by employing the continuous emission rate monitoring system. The combined allowable sulfur dioxide emission limit for these processes for any hour shall be the sum of the individual allowable sulfur dioxide emissions limits for those processes that are in operation during any part of that hour. The combined allowable sulfur dioxide emission limit for these processes for any rolling three-hour period shall be the average of the three, one hour allowable limits comprising the three hour period.

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02/17/2011, 10/23/2015, 02/16/2017

(D)(9)(c) Adopted March 1, 2000, effective March 21, 2000.

**3745-18-05      Ambient and meteorological monitoring requirements.**

- (A) The director may require, under the authority of section 3704.03 of the Revised Code, any owner or operator responsible for any source of sulfur dioxide emissions which may be contributing to air pollution to install, operate, and maintain monitoring devices; to maintain records; and file periodic reports with the director.
- (B) Within three months of the receipt of any order under this rule, or within another time period that such order may specify, the owner or operator shall submit to the director an "Ambient Air Quality Monitoring Plan." Such plan shall include an air quality and meteorological measurement network consistent with the objective of obtaining an accurate assessment of the sulfur dioxide air quality and meteorology within the zone impacted by sulfur dioxide emissions from the source. The plan shall follow criteria guidelines furnished by the director for number of instruments; site location; monitoring methods; equipment performance specifications; equipment operation and maintenance; analytical and data reduction quality assurance; and data reporting. The director may issue additional orders pursuant to this paragraph to require that a previously submitted plan be clarified, updated, corrected, supplemented, or otherwise amended.
- (C) Owners or operators of sources with interacting or overlapping zones of sulfur dioxide emissions impact may join in cooperative arrangements to satisfy orders issued pursuant to paragraph (B) of this rule.
- (D) The director shall give consideration to any plan submitted by an owner or operator pursuant to paragraph (B) of this rule prior to ordering the owner or operator to install, operate, and maintain monitoring devices, or keep records and report information.
- (E) Nothing in this rule shall be interpreted to prevent the director from issuing orders pursuant to section 3704.03 of the Revised Code to require the installation, operation, and maintenance of monitoring devices; or to require record keeping and reporting of information without first issuing an order pursuant to paragraph (B) of this rule.

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3745-18-06      **General emission limit provisions.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-18-01 of the Administrative Code titled "Referenced materials."]

- (A) Fuel burning equipment, stationary gas turbines, jet engine test stands and stationary internal combustion engines are exempt from paragraphs (D), (F) and (G) of this rule and from rules 3745-18-07 to 3745-18-94 of the Administrative Code during any calendar day in which natural gas is the only fuel burned.
- (B) Fuel burning equipment, stationary gas turbines, jet engine test stands and stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MM Btu per hour total rated capacity are exempt from paragraphs (D), (F) and (G) of this rule and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.
- (C) Process equipment which has a rated capacity equal to, or less than, one thousand pounds per hour process weight input is exempt from paragraph (E) of this rule and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.
- (D) Except as otherwise indicated in paragraph (H) of this rule or in rules 3745-18-07 to 3745-18-94 of the Administrative Code, no owner or operator of any oil-fired steam generating unit shall cause or permit the maximum emission of sulfur dioxide from any source to exceed 1.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (E) Except as otherwise indicated in paragraph (H) of this rule or in rules 3745-18-07 to 3745-18-94 of the Administrative Code, no owner or operator of any process equipment shall cause or permit the maximum emission of sulfur dioxide from any source to exceed the amounts indicated by the following equations:

- (1) In Cuyahoga, Lake, Stark, Summit and Trumbull counties:

$$\text{AER} = 20 \text{ P}^{0.67}$$

Where P is the process weight rate in tons per hour and AER is the allowable emission rate in pounds of sulfur dioxide per hour.

- (2) In all counties not listed in paragraph (E)(1) of this rule:

$$\text{AER} = 30 \text{ P}^{0.67}$$

Where P is the process weight rate in tons per hour and AER is the allowable emission rate in pounds of sulfur dioxide per hour.



- (F) Except as otherwise indicated in paragraph (H) of this rule or in rules 3745-18-07 to 3745-18-94 of the Administrative Code, no owner or operator of any stationary gas turbine shall cause or permit the maximum emission of sulfur dioxide from any source to exceed 0.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (G) Except as otherwise indicated in paragraph (H) of this rule or in rules 3745-18-07 to 3745-18-94 of the Administrative Code, no owner or operator of any stationary internal combustion engine shall cause or permit the maximum emission of sulfur dioxide from any source to exceed 0.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (H) Notwithstanding the provisions of paragraphs (D) to (G) of this rule, the requirements of 40 CFR Part 60 shall be followed where applicable.

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**3745-18-07 Adams county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Adams county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The " DP&L, J. M. Stuart Generating Station" (OEPA premise number 0701000007) or any subsequent owner or operator of the "DP&L, J. M. Stuart Generating Station," Aberdeen, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Auxiliary boiler and diesel unit numbers 1 to 4 (OEPA source numbers B006 to B009); a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each unit.
  - (2) Boiler numbers 1 to 4 (OEPA source numbers B001 to B004); a maximum of 3.16 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (C) The "Dayton Power and Light Company, Killen Electric Generating Station" (OEPA premise number 0701000060) or any subsequent owner or operator of the "Dayton Power and Light Company, Killen Electric Generating Station," Monroe Township, Ohio shall not cause or permit the emission of sulfur dioxide from boiler unit number 2 (OEPA source number B001) to exceed a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-08 Allen county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Allen county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "Lima Refining Company" (OEPA premise number 0302020012) or any subsequent owner or operator of the "Lima Refining Company," Lima, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Vacuum unit II - process heater (OEPA source number B001).
    - ISO I and II process heaters (OEPA source number B003).
    - Ultraformer pre-process heaters 1, 2, 3 (OEPA source number B006),
    - HDS process heater (OEPA source number B008).
    - FCC furnace process heater (OEPA source number B016),
    - Reformer regenerator process heater (OEPA source number B007).

A maximum of 0.15 pounds of sulfur dioxide per MM Btu actual heat input from each heater.
  - (2) ISO stabilizer/splitter process heaters (OEPA source number B002).
    - Crude II process heaters (OEPA source number B004).

A maximum of 1.0 pounds of sulfur dioxide per MM Btu actual heat input from each heater.
  - (3) Sulfur recovery unit (OEPA source number P040); a maximum of one hundred pounds of sulfur dioxide per one thousand pounds of sulfur processed at the Claus unit.
  - (4) [Reserved]
  - (5) FCC/CO boiler (OEPA source number P010); a maximum of 0.92 pounds of sulfur dioxide per one thousand pounds of fresh feed.
- (D) The "PCS Nitrogen Ohio L.P." (OEPA premise number 0302020370) or any subsequent owner or operator of the "PCS Nitrogen Ohio L.P, Fort Amanda and Adgate Roads, Lima, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Ammonia production unit - boiler #1 and ammonia production unit - boiler #2 (OEPA

source numbers B501 and B502); a maximum of 1.27 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

- (2) Ammonia production unit - primary reformer (OEPA source number B503); a maximum of 1.27 pounds of sulfur dioxide per MM Btu actual heat input.
- (E) [Reserved.]
- (F) [Reserved.]
- (G) [Reserved.]
- (H) The "Chemtrade Logistics, Inc." (OEPA premise number 0302000001) or any subsequent owner or operator of the "Chemtrade Logistics, Inc.," Cairo, Ohio shall not cause or permit the emission of sulfur dioxide from the sulfuric acid plant (OEPA source number P001) to exceed a maximum of 35.0 pounds of sulfur dioxide per ton of one hundred per cent acid produced.
- (I) The "Joint Systems Manufacturing Center" (OEPA premise number 0302020027) or any subsequent owner or operator of the "Joint Systems Manufacturing Center," Lima, Ohio shall not cause or permit the emission of sulfur dioxide from boiler number 4 (OEPA source number B003); to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-09 Ashland county emission limits.**

No owner or operator of any coal-fired steam generating unit in Ashland county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-10 Ashtabula county emissions limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Ashtabula county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) [Reserved.]
- (F) [Reserved.]
- (G) [Reserved.]
- (H) The "EMC Ashtabula, LP" (OEPA premise number 0204010003) or any subsequent owner or operator of the "EMC Ashtabula, LP" facility located in Ashtabula, Ohio shall not cause or permit the emission of sulfur dioxide from the vertical lime kiln numbers 3 and 2 (OEPA source numbers P009, P010) to exceed a maximum of 3.1 pounds of sulfur dioxide per ton of process weight input.

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**3745-18-11 Athens county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Athens county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "Ohio University-Lausche Heating Plant" (OEPA premise number 0605010016) or any subsequent owner or operator of the "Ohio University-Lausche Heating Plant, Factory Street, Athens, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 136641, 136642, and 136643 (OEPA source numbers B043, B042 and B041) to exceed a maximum of 4.7 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**3745-18-12 Auglaize county emission limits.**

No owner or operator of any coal-fired steam generating unit in Auglaize county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-13 Belmont county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Belmont county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "4K Industrial Park LLC" (OEPA premise number 0607090013) or any subsequent owner or operator of the "4K Industrial Park LLC" facility located in Martins Ferry, 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:
  - (1) Boiler number 1 (OEPA source number B001); a maximum of 5.78 pounds of sulfur dioxide per MM Btu actual heat input.
  - (2) Boiler number 2 (OEPA source number B002); a maximum of 5.78 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-14 Brown county emission limits.**

No owner or operator of any coal-fired steam generating unit in Brown county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-15 Butler county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Butler county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "AK Steel Corporation, Middletown Works" (OEPA premise number 1409010006) or any subsequent owner or operator of the "AK Steel Corporation, Middletown Works, Crawford Street, Middletown, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Boiler numbers 1 to 4 (OEPA source numbers B007, B010, B009, and B008); a maximum of 0.90 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) Slab furnace numbers 1 to 4 (OEPA source numbers P011, P010, P009, and P012); a maximum of 1.1 pounds of sulfur dioxide per MM Btu actual heat input from each furnace.
  - (3) Number 2 coke plant (OEPA source number B918), from the combustion of coke oven gas containing hydrogen sulfide, two hundred eighty grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas.
  - (4) [Reserved.]
  - (5) [Reserved.]
  - (6) Number eighty-four building annealing furnaces, open coil annealing furnaces and number sixty-four building annealing furnaces (OEPA source numbers B021 to B023); a maximum of 0.50 pounds of sulfur dioxide per MM Btu actual heat input.
  - (7) Number ninety-four building annealing furnaces (OEPA source number B026); a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input from each furnace.
  - (8) Coke oven gas holder/flare (OEPA source number P067); from the combustion of coke oven gas containing hydrogen sulfide, two hundred eighty grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas.
  - (9) Hot metal desulfurization station (OEPA source number P956); 0.29 pounds of sulfur dioxide per ton of product from the station, and the station is not to be operated simultaneously with P047.
  - (10) Molten iron transfer and desulfurization station (OEPA source number P047); 0.40 pounds of sulfur dioxide per ton of product from the station, and the station is not to be operated simultaneously with P956.

- (D) [Reserved.]
- (E) The "Graphic Packaging International, Inc." (OEPA premise number 1409010021) or any subsequent owner or operator of "Graphic Packaging International, Inc., 407 Charles Street, Middletown, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler number 315 (OEPA source number B004) to exceed a maximum of 0.31 pounds of sulfur dioxide per MM Btu actual heat input.
- (F) "Wausau Paper Towel & Tissue, LLC" (OEPA premise number 1409010043) or any subsequent owner or operator of "Wausau Paper Towel & Tissue, LLC, 700 Columbia Avenue, Middletown, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1, 2 and 4 (OEPA source numbers B001, B002 and B004) to exceed a maximum of 1.4 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall use a stack no lower than two hundred feet above ground level for each boiler.
- (G) [Reserved.]
- (H) The "Dick's Creek Energy Facility" (OEPA premise number 1409010078) or any subsequent owner or operator of the "Dick's Creek Energy Facility, 632 Todhunter Road, Middletown, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Unit numbers 1, 3, 4 and 5 (OEPA source numbers B001, B003, B004 and B005); a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each unit.
- (I) [Reserved.]
- (J) [Reserved.]
- (K) [Reserved.]
- (L) [Reserved.]
- (M) The "City of Hamilton" (OEPA premise number 1409040243) or any subsequent owner or operator of the "City of Hamilton, 960 North Third Street, Hamilton, 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:
- (1) Boiler numbers 1 and 7 (OEPA source numbers B001 and B002); a maximum of 0.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) [Reserved.]
  - (3) Boiler number 9 (OEPA source number B009); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.
  - (4) Riley heat recovery boiler (OEPA source number B010); a maximum of 0.0 pounds of

sulfur dioxide per MM Btu actual heat input.

- (5) Gas/oil turbine peaking unit (OEPA source number B004); a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (N) "Miami University" (OEPA premise number 1409090081) or any subsequent owner or operator of "Miami University, U.S. 27 and High Street, Oxford, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 16268-1 to 16268-3 (OEPA source numbers B010 to B012) to exceed a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (O) "MillerCoors LLC" (OEPA premise number 1409000353) or any subsequent owner or operator of "MillerCoors LLC, 2525 Wayne Madison Road, Trenton, Ohio" shall not cause or permit the emission of sulfur dioxide from gas boiler numbers 1 and 2 (OEPA source numbers B003 and B007) to exceed a maximum of 0.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (P) "Duke Energy Kentucky, Woodsdale Generating Station" (OEPA premise number 1409120656) or any subsequent owner or operator of "Duke Energy Kentucky, Woodsdale Generating Station, 2100 Woodsdale Road, Trenton, Ohio" shall not cause or permit the emission of sulfur dioxide from combustion turbine numbers 1 to 6 (OEPA source numbers B001 to B006) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each turbine.

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**3745-18-16 Carroll county emission limits.**

No owner or operator of any coal-fired steam generating unit in Carroll county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-17 Champaign county emission limits.**

No owner or operator of any coal-fired steam generating unit in Champaign county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-18 Clark county emission limits.**

No owner or operator of any coal-fired steam generating unit in Clark county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-19 Clermont county emission limits.**

No owner or operator of any coal-fired steam generating unit in Clermont county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-20 Clinton county emission limits.**

No owner or operator of any coal-fired steam generating unit in Clinton county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-21      Columbiana county emission limits.**

No owner or operator of any coal-fired steam generating unit in Columbiana county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.4 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-22 Coshocton county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Coshocton county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Conesville Power Plant" (OEPA premise number 0616000000) or any subsequent owner or operator of the "Conesville Power Plant," Conesville, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amount indicated:
  - (1) Conesville unit 4 main boiler (OEPA source number B004); a maximum of 5.66 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) Conesville unit 5 and unit 6 main boilers (OEPA source numbers B007 and B008); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (3) Diesel numbers 1 through 3 (OEPA source numbers B006, B009 and B010); a maximum of 0.52 pounds of sulfur dioxide per MM Btu actual heat input from each diesel.

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**3745-18-23      Crawford county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Crawford county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Timken Company" (OEPA premise number 0317010168) or any subsequent owner or operator of the "Timken Company, 2325 E. Mansfield Street, Bucyrus, 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 9.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**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

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**3745-18-25 Darke county emission limits.**

No owner or operator of any coal-fired steam generating unit in Darke county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-26 Defiance county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Defiance county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "Richland Substation Peaker Facility" (OEPA premise number 0320010006) or any subsequent owner or operator of the "Richland Substation Peaker Facility" facility located on Carpenter road, Defiance, Ohio shall not cause or permit the emission of sulfur dioxide from turbine numbers 1 to 3 (OEPA source numbers B001 to B003) to exceed a maximum of 0.7 pounds of sulfur dioxide per MM Btu actual heat input from each turbine.

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**3745-18-27 Delaware county emission limits.**

No owner or operator of any coal-fired steam generating unit in Delaware county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-28 Erie county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Erie county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) [Reserved.]
- (F) The "Mississippi Lime Company - Huron Plant" (OEPA premise number 0322010062) or any subsequent owner or operator of the Mississippi lime company facility located at 100 Meeker street, Huron, Ohio shall not cause or permit the emission of sulfur dioxide from lime kiln numbers 1, 2, 3 (OEPA source numbers P901 to P903) to exceed a maximum of 4.0 pounds of sulfur dioxide per ton of product.

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**3745-18-29 Fairfield county emission limits.**

No owner or operator of any coal-fired steam generating unit in Fairfield county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-30      Fayette county emission limits.**

No owner or operator of any coal-fired steam generating unit in Fayette county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-31 Franklin county emission limits.**

(A) No owner or operator of a facility in Franklin county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any stack in excess of the following rates:

(1) For fossil fuel-fired steam generating units between 10.0 and 50.0 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:

$$EL = 8.088Qm^{-0.4307}$$

where:

Qm is the total rated heat input capacity 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 50.0 MM Btu per hour total rated heat input capacity, the emission limitation shall be 1.50 pounds of sulfur dioxide per MM Btu actual heat input.

(3) Except as otherwise provided in this rule, no owner or operator of any process equipment shall cause or permit the emission from any stack into the atmosphere of any process gas stream containing sulfur dioxide in excess of 2.40 pounds of sulfur dioxide per ton of actual process weight input.

(B) The " Ohio ANG 121st Refueling Wing" (OEPA premise number 0125000827) or any subsequent owner or operator of the "Ohio ANG 121st Refueling Wing," Columbus, Ohio shall not cause or permit the emission of sulfur dioxide from any stack at this facility in excess of 2.20 pounds of sulfur dioxide per MM BTU actual heat input.

(C) [Reserved.]

(D) [Reserved.]

(E) [Reserved.]

(F) [Reserved.]

(G) [Reserved.]

(H) [Reserved.]

(I) [Reserved.]

(J) [Reserved.]

(K) [Reserved.]

(L) The "Ross Products - Division of Abbott" (OEPA premise number 0125040319) or any

subsequent owner or operator of the "Ross Products - Division of Abbott, 625 Cleveland Avenue, Columbus, Ohio" shall not cause or permit the emission of sulfur dioxide from any stack at this facility in excess of 4.80 pounds of sulfur dioxide per MM Btu actual heat input.

(M) [Reserved.]

(N) The "Twin Valley Behavioral Healthcare" (OEPA premise number 0125040589) or any subsequent owner or operator of the "Twin Valley Behavioral Healthcare," Columbus, Ohio shall not cause or permit the emission of sulfur dioxide from any stack at this facility in excess of 4.10 pounds of sulfur dioxide per million BTU actual heat input.

(O) [Reserved.]

(P) [Reserved.]

(Q) [Reserved.]

(R) [Reserved.]

(S) [Reserved.]

(T) "Anheuser-Busch Columbus Brewery" (OEPA premise number 0125040554) or any subsequent owner or operator of "Anheuser-Busch Columbus Brewery, 700 Schrock Road, Columbus, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 through 4 (OEPA source numbers B001 to B004) to exceed 2.4 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 three hundred two MM Btu per hour for any calendar day.

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**3745-18-32 Fulton county emission limits.**

No owner or operator of any coal-fired steam generating unit in Fulton county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-33 Gallia county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Gallia county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Ohio Valley Electric Corporation, Kyger Creek Station" (OEPA premise number 0627000003) or any subsequent owner or operator of the "Ohio Valley Electric Corporation, Kyger Creek Station" located in Cheshire, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 to 5 (OEPA source numbers B001 to B005) to exceed a maximum of 8.2 pounds of sulfur dioxide per MM Btu actual heat input from each stack.
- (C) [Reserved.]
- (D) The "General James M. Gavin Power Plant" (OEPA premise numbers 0627010056) or any subsequent owner or operator of the "General James M. Gavin Power Plant" located in Cheshire, Ohio shall not cause or permit the emission of sulfur dioxide from unit one main boiler and unit two main boiler (OEPA source numbers B003 and B004) to exceed a maximum of 7.41 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**3745-18-34 Geauga county emission limits.**

No owner or operator of any coal-fired steam generating unit in Geauga county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-35 Greene county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Greene county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) [Reserved.]
- (F) The "Wright-Patterson Air Force Base" (OEPA premise number 0829700441) or any subsequent owner or operator of the "Wright-Patterson Air Force Base" facility located in building 31240, Bath, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 2 to exceed a maximum of 2.04 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (G) [Reserved.]
- (H) [Reserved.]
- (I) The "CEMEX" (OEPA premise number 0829810165) or any subsequent owner or operator of the "CEMEX" facility located at 3250 Linebaugh Rd, Xenia, Ohio shall not cause or permit the emission of sulfur dioxide from the quarry plant kiln (OEPA source number P003) to exceed a maximum of 9.0 pounds of sulfur dioxide per ton of product.

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**3745-18-36 Guernsey county emission limits.**

No owner or operator of any coal-fired steam generating unit in Guernsey county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-37 Hamilton county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Hamilton county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.0 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "INEOS ABS Corporation" (OEPA permits number 1431010054) or any subsequent owner or operator of the "INEOS ABS Corporation, 356 Three Rivers Parkway, Addyston, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated; shall use stacks no lower than the stack heights indicated and shall limit the operation of said sources such that the indicated average operating rates are not exceeded for any calendar day:
  - (1) [Reserved.]
  - (2) Boiler number 7 (OEPA source number B006); a maximum of 5.5 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and a minimum stack height of sixty-five feet above ground level for each boiler.
- (C) [Reserved.]
- (D) [Reserved.]
- (E) The "Emerald Performance Materials, LLC" (OEPA premise number 1431070039) or any subsequent owner or operator of the "Emerald Performance Materials, LLC, 2235 Langdon Farm Road, Cincinnati, Ohio" shall not cause or permit the emission of sulfur dioxide from unit number 7 (OEPA source number B010) to exceed a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.
- (F) [Reserved.]
- (G) [Reserved.]
- (H) [Reserved.]
- (I) [Reserved.]
- (J) [Reserved.]
- (K) The "University of Cincinnati" (OEPA premise number 1431070849) or any subsequent owner or operator of the "University of Cincinnati, Clifton Campus, Cincinnati, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) [Reserved.]
  - (2) [Reserved.]
  - (3) CUP package boiler numbers 1 and 2 (OEPA source numbers B019 and B020); a maximum of 0.3 pounds of sulfur dioxide per MM Btu actual heat input from each

boiler.

(4) ECUP Boiler number 3 (OEPA source numbers B108); a maximum of 1.45 pounds of sulfur dioxide per MM Btu actual heat input.

(5) ECUP Boiler number 2 (OEPA source number B105); a maximum of 0.24 pound of sulfur dioxide per MM Btu actual heat input.

(L) [Reserved.]

(M) [Reserved.]

(N) [Reserved.]

(O) [Reserved.]

(P) [Reserved.]

(Q) [Reserved.]

(R) [Reserved.]

(S) [Reserved.]

(T) [Reserved.]

(U) [Reserved.]

(V) The "Ford Motor Company" (OEPA premise number 1431140861) or any subsequent owner or operator of the "Ford Motor Company, 3000 Sharon Road, Sharonville, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 2 and 3 (OEPA source numbers B002 and B003) to exceed a maximum of 1.7 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall limit the operation of boiler numbers 2 and 3 (OEPA source numbers B002 and B003) such that their combined average operating rate of two hundred forty-four MM Btu per hour for any calendar day.

(W) The "General Electric Aviation, Evendale Plant" (OEPA premise number 1431150060) or any subsequent owner or operator of the "General Electric Aviation, Evendale Plant, One Neumann Way, Cincinnati, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 5, 6, and 8 (OEPA source numbers B007, B008 and B009) to exceed a maximum of 1.52 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and shall limit the operation of boiler numbers 6 and 8 (OEPA source numbers B008 and B009) such that their combined average operating rate shall not exceed two hundred forty-four MM Btu per hour for any calendar day.

(X) [Reserved.]

(Y) [Reserved.]

(Z) [Reserved.]

(AA) [Reserved.]

(BB) The "Miami Fort Power Station" (OEPA premise number 1431350093) or any subsequent owner or operator of the "Miami Fort Power Station, 11021 Brower Road, North Bend Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated and shall use stacks no lower than the stack height indicated:

(1) [Reserved.]

(2) [Reserved.]

(3) Unit number 6 (OEPA source number B007); a maximum of 5.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler and a minimum stack height of five hundred ninety feet above ground level.

(4) Gas turbine numbers GT-3 through GT-6 (OEPA source numbers B010 through B013); a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input.

(5) Unit number 7 (OEPA source number B015); a maximum of 5.5 pounds of sulfur dioxide per MM Btu actual heat input.

(6) Unit number 8 (OEPA source number B016); a maximum of 1.2 pounds of sulfur dioxide per MM Btu actual heat input.

(CC) [Reserved.]

(DD) [Reserved.]

(EE) [Reserved.]

(FF) [Reserved.]

(GG) "DTE St. Bernard, LLC" (OEPA Premise Number 1431394148), the operator and permit holder of the following source or any subsequent owner or operator of the "DTE St. Bernard, LLC, 5189 Spring Grove Avenue, Cincinnati, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler number 4 (OEPA source number B022) to exceed a maximum of 2.0 pounds of sulfur dioxide per MM Btu actual heat input, the average operating rate of four hundred fifty MM Btu per hour, and shall use a stack no lower than two hundred thirteen feet above ground level.

(HH) [Reserved.]

(II) [Reserved.]

(JJ) [Reserved.]

(KK) The "Chemours Fort Hill Plant" (OEPA premise number 1431350817) or any subsequent owner or operator of the "Chemours Fort Hill Plant, Brower Road, Miami, Ohio" shall not cause or permit the emission of sulfur dioxide from the sulfuric acid plant (OEPA source number P001) to exceed a maximum of 25.0 pounds of sulfur



dioxide per ton of one hundred per cent acid produced and shall use a stack no lower than three hundred feet above ground level.

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1/23/06, 2/17/11

**3745-18-38      Hancock county emission limits.**

No owner or operator of any coal-fired steam generating unit in Hancock county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-39 Hardin county emission limits.**

No owner or operator of any coal-fired steam generating unit in Hardin county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-40 Harrison county emission limits.**

No owner or operator of any coal-fired steam generating unit in Harrison county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-41 Henry county emission limits.**

No owner or operator of any coal-fired steam generating unit in Henry county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-42 Highland county emission limit.**

No owner or operator of any coal-fired steam generating unit in Highland county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-43 Hocking county emission limits.**

No owner or operator of any coal-fired steam generating unit in Hocking county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-44 Holmes county emission limits.**

No owner or operator of any coal-fired steam generating unit in Holmes county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-45      Huron county emission limits.**

No owner or operator of any coal-fired steam generating unit in Huron county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 8.0 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-46 Jackson county emission limits.**

No owner or operator of any coal-fired steam generating unit in Jackson county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-47 Jefferson county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Jefferson county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 1.8 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) No owner or operator of any oil-fired steam generating unit in Jefferson county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 0.8 pounds of sulfur dioxide per MM Btu actual heat input.
- (C) No owner or operator of a by-product coke oven for a facility in Jefferson county which utilizes by-product coke oven gas shall cause or permit the combustion of by-product coke oven gas containing hydrogen sulfide in excess of fifty grains of hydrogen sulfide per one hundred dry standard cubic feet of coke oven gas.
- (D) The "Cardinal Power Plant" (OEPA premise number 0641050002) or any subsequent owner or operator of the "Cardinal Power Plant," Brilliant, Ohio shall not cause or permit emissions of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Main boiler unit numbers 1 and 2 (OEPA source numbers B001 and B002); a maximum of 1.056 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) Main boiler unit number 3 (OEPA source number B009); a maximum of 0.66 pounds of sulfur dioxide per MM Btu actual heat input.
  - (3) Main boiler unit numbers 1, 2 and 3 (OEPA source numbers B001, B002 and B009), combined; a maximum of 4,858.75 pounds of sulfur dioxide per hour as a rolling, thirty-day average.
- (E) [Reserved.]
- (F) [Reserved.]
- (G) The "Mingo Junction Steel Works, LLC" (OEPA premise number 0641090010) or any subsequent owner or operator of the "Mingo Junction Steel Works, LLC," Mingo Junction, Ohio shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) [Reserved.]
  - (2) [Reserved.]
  - (3) Reheat furnaces 2 to 4 (OEPA source numbers P006 to P008); a maximum of 1.0 pounds of sulfur dioxide per hour.
  - (4) Electric arc furnace number 1 (OEPA source number P913); a maximum of 105.0

pounds of sulfur dioxide per hour.

- (5) Ladle metallurgical furnace to the electric arc furnace (OEPA source number P914); a maximum of 14.0 pounds of sulfur dioxide per hour.
- (H) [Reserved.]
- (I) [Reserved.]
- (J) [Reserved.]
- (K) [Reserved.]
- (L) The "W.H. Sammis Plant" (OEPA premise number 0641160017) or any subsequent owner or operator of the "W.H. Sammis Plant, 29503 State Route 7, Stratton, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) [Reserved.]
  - (2) Diesel numbers A, B1, B2, B3, and B4 (OEPA source numbers B002, B003, B004, B005, and B006); a maximum of 0.8 pounds of sulfur dioxide per MM Btu actual heat input from each diesel.
  - (3) Boiler numbers 1 to 4 (OEPA source numbers B007 to B010); a maximum of 1.61 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (4) Boiler numbers 5 to 7 (OEPA source numbers B011 to B013); a maximum of 4.46 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (5) As an alternative to paragraphs (L)(3) and (L)(4) of this rule, boiler numbers 1 to 7 (OEPA source numbers B007 to B013); a maximum of 2.91 pounds of sulfur dioxide per MM Btu actual heat input from each boiler. The "W.H. Sammis Plant" shall notify the director and the administrator at least ninety days prior to the intended date of conversion when changing between the emission limits contained in this paragraph and the emission limits contained in paragraphs (L)(3) and (L)(4) of this rule. "W.H. Sammis Plant" shall comply with either this paragraph or paragraphs (L)(3) and (L)(4) of this rule.
- (M) [Reserved.]
- (N) [[Reserved.]
- (O) [Reserved.]
- (P) "Mingo Junction Energy Center, LLC" (OEPA premise number 0641090234) or any subsequent owner or operator of " Mingo Junction Energy Center, LLC," Mingo Junction, Ohio shall not cause or permit the emission of sulfur dioxide from units number 1 to 4 (OEPA source numbers B001 to B004) to exceed a maximum of 0.0028 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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10/23/2015, 02/16/2017

**3745-18-48      Knox county emission limits.**

No owner or operator of any coal-fired steam generating unit in Knox county shall cause or permit the emission of sulfur dioxide from any source to exceed the maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-49 Lake county emission limits.**

[Comment: For dates and availability of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-18-01 of the Administrative Code titled "referenced materials."]

- (A) No owner or operator of any coal-fired steam generating unit in Lake county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Lubrizol Corporation" (OEPA premise number 0243000024) or any subsequent owner or operator of the "Lubrizol Corporation, 155 Freedom Road, Painesville, 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 4 (OEPA source numbers B001 through B004); a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
  - (2) [Reserved.]
  - (3) Process "G" (OEPA source number P006); a maximum of 26.99 pounds of sulfur dioxide per hour.
  - (4) [Reserved.]
  - (5) Process "M" (OEPA source number P012); a maximum of 160.0 pounds of sulfur dioxide per hour.
  - (6) Process "N" (OEPA source number P013); a maximum of 25.0 pounds of sulfur dioxide per hour.
  - (7) Process "O" (OEPA source number P014); a maximum of 10.0 pounds of sulfur dioxide per hour.
  - (8) Process "W" (OEPA source number P022); a maximum of 20.0 pounds of sulfur dioxide per hour.
  - (9) [Reserved.]
  - (10) Process "Z" (OEPA source number P029); a maximum of 68.80 pounds of sulfur dioxide per hour.
  - (11) Process "AC" (OEPA source number P030); a maximum of 30.0 pounds of sulfur dioxide per hour.
  - (12) Waste incinerator (OEPA source number N001); a maximum of 100.0 pounds of sulfur dioxide per hour.
  - (13) In addition to the provisions of paragraphs (B)(4), (B)(5), (B)(6), (B)(7), (B)(8) and

(B)(11) of this rule, processes "M", "N", "O", "W" and "AC" (OEPA source numbers P012 to P014, P022 and P030) shall be limited to the emission of sulfur dioxide not to exceed a maximum of 247.4 pounds of sulfur dioxide per hour or a maximum of 100.0 tons of sulfur dioxide per calendar year.

(14) The combined allowable emissions from processes "M", "N", "O", "W" and "AC" (OEPA source numbers P012 to P014, P022 and P030) for any hour shall be the sum of the individual allowable sulfur dioxide emission limits for those processes that are in operation during any part of that hour.

(C) [Reserved.]

(D) [Reserved.]

(E) The "Carmeuse Lime, Inc. - Grand River Operations" (OEPA premise number 0243030257) or any subsequent owner or operator of the "Carmeuse Lime, Inc. - Grand River Operations, 15 Williams Street, Grand River, Ohio" shall not cause or permit the emission of sulfur dioxide from lime kiln numbers 4 and 5 (OEPA source numbers P001 and P002) to exceed a maximum of 10.0 pounds of sulfur dioxide per ton of product.

(F) The "Painesville Municipal Electric Plant" (OEPA premise number 0243110008) or any subsequent owner or operator of the "Painesville Municipal Electric Plant, 325 Richmond Street, Painesville, Ohio" shall meet the following for boiler numbers 3, 4 and 5 (OEPA source numbers B003, B004, and B001):

(1) Not cause or permit the emission of sulfur dioxide to exceed a maximum of 4.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

(2) Operate said boilers such that their combined average operating rate shall not exceed two hundred forty-nine MM Btu per hour for any calendar day, excluding any heat input from burning biomass or natural gas.

(3) Operate only one boiler on coal at any time.

(4) Operate boiler number 5 (OEPA source number B001) such that the average sulfur dioxide emission rate shall not exceed two hundred eighty-seven pounds per hour for any thirty operating-day period.

(5) Operate boiler number 3 (OEPA source number B003) such that the average sulfur dioxide emission rate shall not exceed three hundred forty pounds per hour for any thirty operating-day period.

(6) Operate boiler number 4 (OEPA source number B004) such that the average sulfur dioxide emission rate shall not exceed three hundred forty pounds per hour for any thirty operating-day period.

(7) Operate each boiler with an annual capacity factor of no more than ten per cent, using the definition of annual capacity factor" in 40 CFR 63.7575 except that for purposes of this paragraph, the determination of the annual capacity factor shall exclude any heat input from burning biomass or natural gas.

- (8) For the purpose of this paragraph, "biomass" means any of the following:
- (a) Any organic material grown for the purpose of being converted to energy.
  - (b) Any organic byproduct of agriculture that can be converted into energy (other than manure).
  - (c) Any material that can be converted into energy and is nonmerchantable for other purposes, that is segregated from other nonmerchantable material, and that is either of the following:
    - (i) A forest-related organic resource, including mill residues (other than black liquor), precommercial thinnings, slash, brush, or by product from conversion of trees to merchantable material.
    - (ii) A wood material, including pallets, crates, dunnage, manufacturing and construction materials (other than pressure-treated, chemically-treated, or painted wood products), and landscape or right-of-way tree trimmings.

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2/17/11, 10/23/15

**3745-18-50      Lawrence county emission limits.**

No owner or operator of any coal-fired steam generating unit in Lawrence county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-51 Licking county emission limits.**

No owner or operator of any coal-fired steam generating unit in Licking county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-52 Logan county emission limits.**

No owner or operator of any coal-fired steam generating unit in Logan county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**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 in Lorain county 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:

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

where  $Q_m$  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 "Avon Lake Power Plant" (OEPA premise number 0247030013) or any subsequent owner or operator of the "Avon Lake Power Plant, 33570 Lake Road, Avon Lake, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler number 10 (unit 7) and boiler number 12 (unit 9) (OEPA source numbers B010 and B012) to exceed a maximum of 4.65 pounds of sulfur dioxide per MM Btu actual heat input from each unit.

(C) [Reserved.]

(D) The "Republic Engineered Products, Inc." (OEPA premise number 0247080229) or any subsequent owner or operator of the "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 7 to 9 (OEPA source numbers B007 to 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 three boilers.

(2) [Reserved.]

(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 a maximum of 1.98 pounds of sulfur dioxide per MM Btu actual heat input from each stack.

(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 boiler number 3 (OEPA source number B003) to exceed a maximum of 0.36 pounds of sulfur dioxide per MM Btu actual heat

input.

(F) [Reserved.]

(G) The "U. S. Steel Seamless Tubular Operations, LLC - Lorain" (Ohio EPA premise number 0247080961); or any subsequent owner or operator of the "U. S. Steel Seamless Tubular Operations, LLC - Lorain, 2199 E. 28th Street, Lorain, Ohio" shall not cause or permit the emission of sulfur dioxide from no. 4 seamless mill rotary furnace (OEPA source number P039) to exceed a maximum of 1.98 pounds of sulfur dioxide per MM Btu actual heat input from any stack and a maximum of one hundred seventy-eight pounds of sulfur dioxide per hour.

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**3745-18-54 Lucas county emission limits.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see paragraph (C) of rule 3745-18-01 of the Administrative Code titled "Referenced materials."]

- (A) No owner or operator of any coal-fired steam generating unit in Lucas county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) The "Toledo Hospital" (OEPA premise number 0448010037) or any subsequent owner or operator of the "Toledo Hospital, 2142 North Cove Boulevard, Toledo, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 to 3 (OEPA source numbers B001 to B003) to exceed a maximum of 3.5 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (E) [Reserved.]
- (F) [Reserved.]
- (G) [Reserved.]
- (H) [Reserved.]
- (I) [Reserved.]
- (J) [Reserved.]
- (K) [Reserved.]
- (L) [Reserved.]
- (M) [Reserved.]
- (N) [Reserved.]
- (O) The "Toledo Refining Company, LLC" (OEPA premise number 0448010246) or any subsequent owner or operator of the "Toledo Refining Company, LLC, 1819 Woodville Road, Oregon, Ohio" shall not cause or permit the emission of sulfur dioxide from any source to exceed the amounts indicated:
  - (1) Except as specified in paragraphs (O)(2) to (O)(9) of this rule, 0.04 pounds of sulfur dioxide per MM Btu actual heat input from any fuel burning unit.
  - (2) [Reserved.]

- (3) FCC unit and CO boilers H-021-03, and H-021-04 (OEPA source numbers P011, B046, and B047); a maximum of 3.00 pounds of sulfur dioxide per one thousand pounds of fresh feed.
  - (4) [Reserved.]
  - (5) Heater number H-507 (OEPA source number B010); shall not burn fuel oil, and shall comply with 40 CFR Part 60, Subpart J, "Standards of Performance for Petroleum Refineries."
  - (6) [Reserved.]
  - (7) Heater number 9401 (OEPA source number B048); shall not burn fuel oil, and shall comply with 40 CFR Part 60, Subpart J, "Standards of Performance for Petroleum Refineries."
  - (8) [Reserved.]
  - (9) Amine Claus sulfur recovery unit (OEPA source number P012); a maximum of 0.025 per cent by volume of sulfur dioxide at zero per cent oxygen on a dry basis.
- (P) [Reserved.]
- (Q) [Reserved.]
- (R) [Reserved.]
- (S) [Reserved.]
- (T) [Reserved.]
- (U) [Reserved.]
- (V) The "FirstEnergy Generation LLC, Bay Shore Plant" (OEPA premise number 0448020006) or any subsequent owner or operator of the "FirstEnergy Generation LLC, Bay Shore Plant, Bay Shore Road, Oregon, Ohio" shall not cause or permit the emission of sulfur dioxide from the bay shore peaker (OEPA source number B005) to exceed a maximum of 0.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (W) The "BP Husky Refining LLC" (OEPA premise number 0448020007) or any subsequent owner or operator of the "BP Husky Refining LLC, Toledo Refinery, Cedar Point Road, Oregon, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
- (1) Except as specified in paragraphs (W)(2) to (W)(7) of this rule, 0.29 pounds of sulfur dioxide per MM Btu actual heat input from any fuel burning unit.
  - (2) Crude/Vac1, and Crude/Vac2 (OEPA source numbers P010 and P011); a maximum of 0.40 pounds of sulfur dioxide per ton of actual process weight input for any process.
  - (3) Asphalt tank heaters used for tank T107 (F1002A and F100213) and tank T109



(T1004A and T100413) (OEPA source number B024); a maximum of 1.00 pounds of sulfur dioxide per MM Btu actual heat input from each heater.

- (4) [Reserved.]
- (5) ISO 2 stabilizer reboiler (PR-562992) and ISO 2 splitter reboiler (PR-562993) (OEPA source numbers B009 and B010); a maximum of 0.57 pounds of sulfur dioxide per MM Btu actual heat input from each unit.
- (6) FCC and CO boiler (OEPA source number P007); a maximum of 0.92 pounds of sulfur dioxide per one thousand pounds of fresh feed.
- (7) Sulfur recovery unit number 1 (OEPA source number P009); a maximum of 0.025 per cent by volume of sulfur dioxide at zero per cent oxygen on a dry basis.
- (X) The "Chemtrade Refinery Solutions Limited Partnership" (OEPA premise number 0448020014) or any subsequent owner or operator of the "Chemtrade Refinery Solutions Limited Partnership, 1400 Otter Creek Road, Oregon, Ohio" shall not cause or permit the emission of sulfur dioxide from the contact sulfuric acid plant (OEPA source numbers P001 and P002) to exceed a maximum of 6.50 pounds of sulfur dioxide per ton of one hundred per cent acid produced.
- (Y) The "General Motors LLC - Toledo" (OEPA premise number 0448010404) or any subsequent owner or operator of the "General Motors LLC - Toledo, 1455 West Alexis Road, Toledo, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1, 3 and 4 (OEPA source numbers B001, B003 and B004) to exceed a maximum of 1.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**3745-18-55 Madison county emission limits.**

No owner or operator of any coal-fired steam generating unit in Madison county shall cause or permit the emission of sulfur dioxide from any source to exceed the maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-56 Mahoning county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Mahoning county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 5.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Whitacre-Greer Fireproofing Company" (OEPA premise number 0250000005) or any subsequent owner or operator of the "Whitacre-Greer Fireproofing Company, 1400 South Mahoning Avenue, Alliance, Ohio" shall not cause or permit the emission of sulfur dioxide from kiln numbers 1 and 2 (OEPA source numbers P004 and P005) to exceed a maximum of 20.0 pounds of sulfur dioxide per ton of actual process weight input from each kiln.
- (C) [Reserved.]
- (D) [Reserved.]
- (E) The "Youngstown Thermal" (OEPA premise number 0250110024) or any subsequent owner or operator of the "Youngstown Thermal, 205 North Avenue, Youngstown, Ohio" shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 to 4 (OEPA source numbers B001 to B004) to exceed a maximum of 4.7 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**3745-18-57 Marion county emission limits.**

No owner or operator of any coal-fired steam generating unit in Marion county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 6.1 pounds of sulfur dioxide per MM Btu actual input.

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**3745-18-58 Medina county emission limits.**

No owner or operator of any coal-fired steam generating unit in Medina county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 8.0 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-59 Meigs county emission limits.**

No owner or operator of any coal-fired steam generating unit in Meigs county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-60 Mercer county emission limits.**

No owner or operator of any coal-fired steam generating unit in Mercer county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 8.0 pounds of sulfur dioxide per MM Btu actual heat input.

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Prior Effective Dates: 12/28/79, 2/17/11

**3745-18-61 Miami county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Miami county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.2 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Piqua Municipal Power System" (OEPA premise number 0855100041) or any subsequent owner or operator of the "Piqua Municipal Power System" facility located at 919 South Main street, Piqua, Ohio shall not cause or permit the emission of sulfur dioxide from CT number 8 oil-fired boiler (OEPA source number B007) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input.

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Prior Effective Dates: 12/28/79, 1/23/06, 2/17/11



**3745-18-62 Monroe county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Monroe county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Ormet Primary Aluminum Corporation" (OEPA premise number 0656000001) or any subsequent owner of the "Ormet Primary Aluminum Corporation, Ohio Route 7, Hannibal, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Anode baking furnace numbers 661 to 665 (OEPA source numbers P996 to P999, and P900); a combined maximum of 2.7 pounds of sulfur dioxide per ton of molten aluminum produced.
  - (2) Aluminum reduction cell numbers 1A to 6B (OEPA source numbers P955 to P978); a combined maximum of 39.2 pounds sulfur dioxide per ton of molten aluminum produced.

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Rule Amplifies: 3704.03(A), 3704.03(E)

Prior Effective Dates: 12/28/79, 9/1/03, 2/17/11

**3745-18-63 Montgomery county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Montgomery county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 1.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) [Reserved.]
- (F) [Reserved.]
- (G) [Reserved.]
- (H) [Reserved.]
- (I) The "DP&L Tait Generating Station" (OEPA premise number 0857043333) or any subsequent owner or operator of the "DP&L Tait Generating Station, 2101 Arbor Blvd., Moraine, Ohio" shall not cause or permit the emission of sulfur dioxide from oil-fired IC units T-1 to T-4 (OEPA source numbers B507 to B510) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each unit.
- (J) [Reserved.]
- (K) [Reserved.]
- (L) [Reserved.]
- (M) The "Dayton Power and Light Company, O.H. Hutchings Station" (OEPA premise number 0857780013) or any subsequent owner or operator of the "Dayton Power and Light Company, O.H. Hutchings Station, 9200 Chautauqua Road, Miamisburg, Ohio" shall not cause or permit the emission of sulfur dioxide from turbine number 7 (OEPA source number B007) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (N) The "Dayton Power and Light Company, Yankee Street Generating Station" (OEPA premise number 0857810015) or any subsequent owner or operator of the "Dayton Power and Light Company, Yankee Street Generating Station, 9975 Yankee Road, Dayton, Ohio" shall not cause or permit the emission of sulfur dioxide from turbine numbers y-1 to y-7 (OEPA source numbers B001 to B007) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each turbine.
- (O) [Reserved.]
- (P) [Reserved.]

(Q) [Reserved.]

(R) [Reserved.]

(S) [Reserved.]

(T) The "Tate & Lyle, Incorporated" (OEPA premise number 0857041333) or any subsequent owner or operator of the "Tate & Lyle, Incorporated, 5600 Brentlinger Drive, Dayton, Ohio" shall not cause or permit the emission of sulfur dioxide from unit numbers 1 and 2 (OEPA source numbers B001 and B002) to exceed a maximum of 0.8 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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Prior Effective Dates: 12/28/79, 11/1/84, 1/23/06, 2/17/11

**3745-18-64 Morgan county emission limits.**

No owner or operator of any coal-fired steam generating unit in Morgan county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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Prior Effective Dates: 12/28/79, 4/21/82, 10/1/82, 2/17/11

**3745-18-65 Morrow county emission limits.**

No owner or operator of any coal-fired steam generating unit in Morrow county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-66 Muskingum county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Muskingum county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) The "Owens Brockway Glass Containers - Plant #12" (OEPA premise number 0660010007) or any subsequent owner or operator of the "Owens Brockway Glass Containers - Plant #12, 1700 State Street, Zanesville, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Furnace A (OEPA source number P001); a maximum of 3.5 pounds of sulfur dioxide per ton of glass produced.
  - (2) Furnace B (OEPA source number P002); a maximum of 13.0 pounds of sulfur dioxide per ton of glass produced.

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Prior Effective Dates: 12/28/79, 5/11/87, 1/23/

**3745-18-67 Noble county emission limits.**

No owner or operator of any coal-fired steam generating unit in Noble county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-68 Ottawa county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Ottawa county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 5.9 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "Graymont Dolime (OH), Inc." (OEPA premise number 0362000079) or any subsequent owner or operator of the "Graymont Dolime (OH), Inc." facility located at 21880 West State Route Number 163, Genoa, Ohio shall not cause or permit the emission of sulfur dioxide from the rotary kilns 1, 2 and 3 (OEPA source numbers P010, P014 and P015) to exceed a maximum of 14.9 pounds of sulfur dioxide per ton of product.

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**3745-18-69 Paulding county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Paulding county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) "Lafarge North America" (OEPA premise number 0363000002) or any subsequent owner or operator of the "Lafarge North America" facility located on County road 176, Paulding, Ohio shall not cause or permit the emission of sulfur dioxide from numbers 1 and 2 kilns (OEPA source numbers P014 and P015) to exceed a maximum of 43.0 pounds of sulfur dioxide per ton of cement produced.



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**3745-18-70 Perry county emission limits.**

No owner or operator of any coal-fired steam generating unit in Perry county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-71 Pickaway county emission limits.**

No owner or operator of any coal-fired steam generating unit in Pickaway county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

Replaces: 3745-18-71

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**3745-18-72 Pike county emission limits.**

No owner or operator of any coal-fired steam generating unit in Pike county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.0 pounds of sulfur dioxide per MM Btu actual heat input.

Replaces: 3745-18-72

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**3745-18-73 Portage county emission limits.**

No owner or operator of any coal-fired steam generating unit in Portage county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-74      Preble county emission limits.**

No owner or operator of any coal-fired steam generating unit in Preble county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-75 Putnam county emission limits.**

No owner or operator of any coal-fired steam generating unit in Putnam county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

Replaces: 3745-18-75

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**3745-18-76 Richland county emission limits.**

No owner or operator of any coal-fired steam generating unit in Richland county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.1 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-77 Ross county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Ross county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "P.H. Glatfelter Company - Chillicothe Facility" (OEPA premise number 0671010028) or any subsequent owner or operator of the "P.H. Glatfelter Company - Chillicothe Facility" located on East Eighth Street, Chillicothe, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 7 and 8 (OEPA source numbers B002 and B003) to exceed a maximum of 9.9 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.



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**3745-18-78 Sandusky county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Sandusky county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Carmeuse Lime, Inc., Millersville Operations" (OEPA premise number 0372000081) or any subsequent owner or operator of the "Carmeuse Lime, Inc., Millersville Operations, 3964 County Road Number 41, Millersville, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Rotary kiln number 1 (OEPA source number P005); a maximum of 25.0 pounds of sulfur dioxide per ton of product.
  - (2) Rotary kiln number 2 (OEPA source number P006); a maximum of 25.0 pounds of sulfur dioxide per ton of product.
- (C) [Reserved.]
- (D) [Reserved.]
- (E) "Martin Marietta Magnesia Specialties, Inc." (OEPA premise number 0372000127) or any subsequent owner or operator of "Martin Marietta Magnesia Specialties, Inc., 755 Lime Road, Woodville, Ohio" shall not cause or permit the emission of sulfur dioxide from the following sources to exceed the amounts indicated:
  - (1) Rotary lime kiln numbers 5 and 4 (OEPA source numbers P010 and P013); a maximum of twenty-five pounds of sulfur dioxide per ton of product.
  - (2) Number 6 rotary refractory kiln (OEPA source number P014); a maximum of twenty-five pounds of sulfur dioxide per ton of product.
  - (3) Rotary lime kiln numbers 1 and 2 (OEPA source numbers P015 and P019); a maximum of 25.0 pounds of sulfur dioxide per ton of product.

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**3745-18-79 Scioto county emission limits.**

No owner or operator of any coal-fired steam generating unit in Scioto county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 6.9 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-80 Seneca county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Seneca county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 8.1 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Carmeuse Ohio, Inc." (OEPA premise number 0374000010) or any subsequent owner or operator of the "Carmeuse Ohio, Inc." facility located in Bettsville, Ohio shall not cause or permit the emission of sulfur dioxide from rotarykiln numbers 1 and 2 (OEPA source numbers P003 and P004) to exceed a maximum of 34.0 pounds of sulfur dioxide per ton of actual process weight input.
- (C) [Reserved.]
- (D) [Reserved.]
- (E) [Reserved.]
- (F) [Reserved.]
- (G) The "Webster Manufacturing" (OEPA premise number 0374020111) or any subsequent owner or operator of the "Webster Manufacturing" facility located on Hall street, Tiffin, Ohio shall not cause or permit the emission of sulfur dioxide from annealing oven numbers 1 and 4 (OEPA source number P002) to exceed a maximum of 0.2 pounds of sulfur dioxide per MM Btu actual heat input from each oven.

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**3745-18-81      Shelby county emission limits.**

No owner or operator of any coal-fired steam generating unit in Shelby county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-82 Stark county emission limits.**

(A) No owner or operator of a facility in Stark county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any stack in excess of the following rates:

(1) For fossil fuel-fired steam generating units between ten and sixty 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 sixty 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 Forge" (OEPA premise number 1576000073) or any subsequent owner or operator of the "Canton Drop Forge" 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 the units shall not exceed the operating limits indicated:

(1) [Reserved.]

(2) [Reserved.]

(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 seven hundred seventy-five gallons per hour, eighteen thousand six hundred gallons per day and six million seven hundred eighty-nine thousand gallons per year. [Forge-shop furnaces include emissions units P001 to P007, P009, P010, P016, and P041.]

(5) The sulfur content for any fuel oil used in the forge-shop furnaces shall not exceed 0.05 per cent by weight.

(C) [Reserved.]

(D) [Reserved.]

(E) The "Marathon Petroleum Company LP - Canton Refinery" (OEPA premise number 1576002006) or any subsequent owner or operator of the "Marathon Petroleum Company LP - Canton Refinery" 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)

Guard case heater 4-2-B-1	(OEPA source number B016), 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) A maximum 1.0 pounds of sulfur dioxide per MM Btu actual heat input for all process heaters and fossil fuel-fired steam-generating units unless otherwise specified in this paragraph.

(3) Number 12 boiler 4-16-B-12 (OEPA source number B027).

(4) [Reserved.]

(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 Packaging, LLC" (OEPA premise number 1576000431) or any subsequent owner or operator of the "Greif Packaging, LLC" facility located at 9420 Warmington Rd. SW, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from any stack at this facility in excess of 0.50 pound of sulfur dioxide per MM Btu actual heat input.

(G) [Reserved.]

(H) [Reserved.]

(I) [Reserved.]

(J) [Reserved.]

(K) [Reserved.]

(L) [Reserved.]

(M) [Reserved.]

(N) [Reserved.]

(O) The "Timken Steel Corporation - Gambrinus Steel Plant" (OEPA premise number 1576222000), the "Timken Steel Corporation - Faircrest Steel Plant" (OEPA premise number 1576222001), and the "Timken Steel Corporation - Harrison Steel Plant" (OEPA premise number 1576222002) or any subsequent owner or operator of the "Timken Steel Corporation - Gambrinus Steel Plant", the "Timken Steel Corporation - Faircrest Steel Plant", or the "TimkenSteel Corporation - Harrison Steel Plant" facilities located on Dueber Avenue, S.W., Canton, Ohio shall not cause or permit the emission of sulfur dioxide to exceed 0.67 pounds of sulfur dioxide per MM Btu actual heat input for fossil fuel-fired steam-generating units.

(P) [Reserved.]

(Q) [Reserved.]

(R) [Reserved.]

(S) [Reserved.]

(T) The "Republic Steel-Massillion" (OEPA premise number 1576130697) or any subsequent owner or operator of the "Republic Steel-Massillion" facility located at 401 Rose Avenue, Southeast, Massillon, Ohio shall not cause or permit the emission of sulfur dioxide from any fossil-fuel fired steam generating unit stack in excess of 4.40 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-83 Summit county emission limits.**

(A) No owner or operator of any applicable unit in Summit county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any stack in excess of the rate indicated in the following:

(1) For fossil fuel fired steam generating units with a total rated heat input capacity between ten and three hundred MM Btu per hour, the emission rate in pounds of sulfur dioxide per MM Btu actual heat input shall be calculated in accordance with the following equation:

$$EL = 17.55 Qm^{-0.3933}$$

where:

Qm is the total rated heat input capacity 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 with a total heat input capacity equal to or greater than three hundred MM Btu per hour, 1.80 pounds of sulfur dioxide per MM Btu actual heat input.

(3) Process equipment, unless otherwise specified in this rule, shall not cause or permit the emission of sulfur dioxide from any stack in excess of 17.0 pounds of sulfur dioxide per ton of actual process weight input.

(B) [Reserved.]

(C) [Reserved.]

(D) [Reserved.]

(E) [Reserved.]

(F) [Reserved.]

(G) The "Cargill, Incorporated - Salt Division" (OEPA premise number 1677010027) or any subsequent owner or operator of the "Cargill, Incorporated - Salt Division, 2065 Manchester Road, Akron, Ohio" shall not cause or permit the emission of sulfur dioxide from coal-fired boilers at this facility in excess of 4.72 pounds of sulfur dioxide per MM Btu of actual heat input or the emission of sulfur dioxide from oil-fired boilers at this facility in excess of 0.30 pound of sulfur dioxide per MM Btu of actual heat input.

(H) The "Emerald Performance Materials, LLC" (OEPA premise number 1677010029) or any subsequent owner or operator of the "Emerald Performance Materials, LLC, West Emerling Avenue, Akron, Ohio" shall not cause or permit the emission of sulfur dioxide from any stack at this facility in excess of 5.22 pounds of sulfur dioxide per MM Btu actual heat input.

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Rule Amplifies: 3704.03(A), 3704.03(E)

Prior Effective Dates: 12/28/79, 12/15/82, 5/11/87, 1/23/06, 2/17/11

**3745-18-84 Trumbull county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Trumbull county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 5.4 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) The "Niles Plant" (OEPA premise number 0278060023) or any subsequent owner or operator of the "Niles Plant" facility located at 1047 Belmont avenue, Niles, Ohio shall not cause or permit the emission of sulfur dioxide from turbine A (OEPA source number B004) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (E) [Reserved.]
- (F) [Reserved.]
- (G) [Reserved.]
- (H) [Reserved.]
- (I) [Reserved.]
- (J) The "ArcelorMittal Warren" (OEPA premise number 0278000648) or any subsequent owner or operator of the "ArcelorMittal Warren" facility located on Main street, Warren, 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 B010); a maximum of 3.9 pounds of sulfur dioxide per MM Btu actual heat input.
  - (2) Boiler number 2 (OEPA source number B011); a maximum of 1.6 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-85 Tuscarawas county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Tuscarawas county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) The "Dover Municipal Light Plant" (OEPA premise number 0679010146) or any subsequent owner or operator of the "Dover Municipal Light Plant" facility located at 303 East Broadway, Dover, Ohio shall not cause or permit the emission of sulfur dioxide from boiler number 4 (OEPA source number B004) to exceed a maximum of 4.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-86 Union county emission limits.**

No owner or operator of any coal-fired steam generating unit in Union county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-87 Van Wert county emission limits.**

- (A) No owner or operator or any coal-fired steam generating unit in Van Wert county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) The "Bunge North America" (OEPA premise number 0381000011) or any subsequent owner or operator of the "Bunge North America" facility located at 234 South Jefferson, Delphos, Ohio shall not cause or permit the emission of sulfur dioxide from boiler number 1 (OEPA source number B001) to exceed a maximum of 6.7 pounds of sulfur dioxide per MM Btu actual heat input and shall operate said boiler such that the following average operating rates are not exceeded for any calendar day: first quarter, eighty-five MM Btu per hour; second quarter, eighty-five MM Btu per hour; third quarter, eighty-five MM Btu per hour; fourth quarter, eighty-five MM Btu per hour.

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**3745-18-88 Vinton county emission limits.**

No owner or operator of any coal-fired steam generating unit in Vinton county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.



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**3745-18-89 Warren county emission limits.**

No owner or operator of any coal-fired steam generating unit in Warren county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 3.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-90 Washington county emission limits.**

No owner or operator of any coal-fired steam generating unit in Washington county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 4.5 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-91 Wayne county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Wayne county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 7.2 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) [Reserved.]
- (C) [Reserved.]
- (D) [Reserved.]
- (E) The "Department of Public Utilities, City of Orrville, Ohio" (OEPA premise number 0285010188) or any subsequent owner or operator of the "Department of Public Utilities, City of Orrville, Ohio" located at 1100 Perry street, Orrville, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 10 to 13 (OEPA source numbers B005, B006, B001, and B004) to exceed a maximum of 7.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.
- (F) The "Morton Salt, Inc." (OEPA premise number 0285020059) or any subsequent owner or operator of the "Morton Salt, Inc.," facility located at 151 South Industrial street, Rittman, Ohio shall not cause or permit the emission of sulfur dioxide from boiler numbers 1 and 2 (OEPA source numbers B003 and B002) to exceed a maximum of 7.0 pounds of sulfur dioxide per MM Btu actual heat input from each boiler.

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**3745-18-92 Williams county emission limits.**

- (A) No owner or operator of any coal-fired steam generating unit in Williams county, unless otherwise specified in this rule, shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.
- (B) The "Stryker Substation Peaker" (OEPA premise number 0386000006) or any subsequent owner or operator of the "Stryker Substation Peaker" facility located on 101 Railroad street, Stryker, Ohio shall not cause or permit the emission of sulfur dioxide from turbine W251G (OEPA source number P002) to exceed a maximum of 0.7 pounds of sulfur dioxide per MM Btu actual heat input.
- (C) The "Bryan Municipal Light and Water Utilities" (OEPA premise number 0386010200) or any subsequent owner or operator of the "Bryan Municipal Light and Water Utilities" facility located at 225 South Emmitt street, Bryan, Ohio shall not cause or permit the emission of sulfur dioxide from gas turbine numbers 6 and GT-1 (OEPA source numbers P004 and P005) to exceed a maximum of 0.5 pounds of sulfur dioxide per MM Btu actual heat input from each turbine.



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**3745-18-93 Wood county emission limits.**

No owner or operator of any coal-fired steam generating unit in Wood county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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**3745-18-94 Wyandot county emission limits.**

No owner or operator of any coal-fired steam generating unit in Wyandot county shall cause or permit the emission of sulfur dioxide from any source to exceed a maximum of 2.6 pounds of sulfur dioxide per MM Btu actual heat input.

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