

SECOND NOTICE CHANGES

Agency: Pollution Control Board

Rulemaking: Sulfur Limitations (35 Ill. Adm. Code 214; 39 Ill. Reg. 7125)

Changes:

1. In line 152, change "214.10(e)" to "214.104(e)".
2. In line 337, change the colon to a semicolon.
3. In line 495, after "2018" add a comma.
4. In line 514, change the semicolon to a period.
5. In line 580, strike the comma.
6. In the table after line 587, change "0.023" to "0.0023".
7. In line 598, strike "or" and add "of".
8. In line 670, delete "Inc.".
9. In line 681, before "fuel" add "the".
10. In line 697, change "the" to "these".
11. In line 710, after "2016" add a comma.
12. In line 711, after "sources" add a comma.
13. In line 713, after "oil" add a comma.
14. In line 717, after "2016" and "sources" add commas.
15. In lines 741, 745 and 749, change "the" to "these".
16. In lines 754 and 761, after "2018" add a comma.
17. In lines 755 and 762, after "units" add a comma.
18. In line 757, after "oil" add a comma.

19. In line 773, change "of" to "after".
20. In the table after line 816, change "0.023" to "0.0023".
21. In line 952, change "13.3" to "13.36".
22. In line 1004, delete "of this Section".
23. In line 1005, change "above" to "in subsection (e)(3)".
24. In line 1011, change "5000" to "5000.00".
25. In lines 1276 and 1277, delete the redundant comma.

11/24/15

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

PART 214
SULFUR LIMITATIONS

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AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/10 and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 204: Sulfur Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R74-2, R75-5, 38 PCB 129, at 4 Ill. Reg. 28, p. 417, effective June 26, 1980; amended in R78-17, 40 PCB 291, at 5 Ill. Reg. 1892, effective February 17, 1981; amended in R77-15, 44 PCB 267, at 6 Ill. Reg. 2146, effective January 28, 1982; amended and renumbered in R80-22(A) at 7 Ill. Reg. 4220, effective

March 28, 1983; codified at 7 Ill. Reg. 13597; amended in R80-22(B) at 8 Ill. Reg. 6172, effective April 24, 1984; amended in R84-28 at 10 Ill. Reg. 9806, effective May 20, 1986; amended in R86-31 at 12 Ill. Reg. 17387, effective October 14, 1988; amended in R86-30 at 12 Ill. Reg. 20778, effective December 5, 1988; amended in R87-31 at 15 Ill. Reg. 1017, effective January 15, 1991; amended in R02-21 at 27 Ill. Reg. 12101, effective July 11, 2003; amended in R04-12/20 at 30 Ill. Reg. 9671, effective May 15, 2006; amended in R15-21 at 39 Ill. Reg. _____, effective _____.

Section 214.101 Measurement Methods

A determination of non-compliance based on any subsection of this Section shall not be refuted by evidence of compliance with any other subsection.

- a) **Sulfur Dioxide Measurement.** Measurement of sulfur dioxide emissions from stationary sources shall be made according to an applicable method specified in 40 CFR 60, appendix A, Method 6, 6A, 6B, or 6C, incorporated by reference in Section 214.104(a), or by measurement procedures established pursuant to 40 CFR 60.8(b), incorporated by reference in Section 214.104(b), or by an installed certified continuous emissions monitoring system, or by an alternative monitoring method available under 40 CFR 75, incorporated by reference in Section 214.104(e).
- b) **Sulfuric Acid Mist and Sulfur Trioxide Measurement.** Measurement of sulfuric acid mist and sulfur trioxide shall be according to the barium-thorin titration method specified in 40 CFR 60, appendix A, Method 8, incorporated by reference in Section 214.104(a), or a controlled condensate method approved in writing by the Agency.
- c) **Solid Fuel Averaging Measurement Daily Analysis Method.** This subsection applies to sources at plants with total solid fuel-fired heat input capacity exceeding 439.5 MW (1500 mmBtu/hr). If daily fuel analysis is used to demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a) 214.162, 214.186 and 214.421, the sulfur dioxide emission rate to be compared to the emission limit shall be considered to be the result of averaging daily samples taken over any consecutive two-month period provided no more than 5 percent of the sample values are greater than 20 percent above the sample average. If samples from a source cannot meet this statistical criterion, each individual daily sample analysis for such source shall be compared to the source's emission limit to determine compliance. The specific ASTM procedures, incorporated by reference in Section 214.104(c), shall be used for solid fuel sampling, sulfur, and heating value determinations.
- d) **Weekly Analysis Method.** This subsection applies to sources at plants with total solid fuel-fired heat input capacity exceeding 146.5 MW (500 mmBtu/hr) but not exceeding 439.5 MW (1500 mmBtu/hr). These plants shall demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 by either an analysis of calendar weekly composites of daily fuel samples or by compliance with subsection (c), at the option of the plant. The specific ASTM procedures incorporated by reference in Section 214.104(c), shall be used for sulfur and heating value determinations.

- e) Monthly Analysis Method. This subsection applies to sources at plants with total fuel-fired heat input capacity exceeding 14.65 MW (50 mmBtu/hr) but not exceeding 146.5 MW (500 mmBtu/hr). These plants shall demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 by either an analysis of calendar monthly composites of daily fuel samples or by compliance with subsection (c), at the option of the plant. ASTM procedures incorporated by reference in Section 214.104(c), shall be used for sulfur and heating value determinations.
- f) Small Source Alternative Method. This subsection applies to sources at plants with total solid fuel-fired heat input capacity not exceeding 14.65 MW (50 mmBtu/hr). Compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 shall be demonstrated by a calendar month average sulfur dioxide emission rate.
- g) Exemptions. Subsections (c) through (f) shall not apply to sources controlling sulfur dioxide emissions by flue gas desulfurization equipment or by sorbent injection.
- h) Hydrogen Sulfide Measurement. For purposes of determining compliance with Section 214.382(c), the concentration of hydrogen sulfide in petroleum refinery fuel gas shall be measured using the Tutwiler Procedure specified in 40 CFR 60.648, incorporated by reference in Section 214.104(d).

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.102 Abbreviations and Units

- a) The following abbreviations are used in this Part:

BTU or btu	British thermal units
ft	foot
gr	grains
J	Joule
kg	kilogram
kg/MW-hr	kilograms per megawatt-hour
km	kilometer
lbs	pounds
lbs/mmBtu	pounds per million Btu
m	meter
mg	milligram
Mg	megagram, metric ton or tonne
mi	mile
mmBtu	million British thermal units
mmBtu/hr	million British thermal units per hour
MW	megawatt; one million watts
MW-hr	megawatt-hour
ng	nanogram; one billionth of a gram
ng/J	nanograms per Joule
ppm	parts per million
scf	standard cubic foot
scm	standard cubic meter
T	English ton

- b) The following conversion factors have been used in this Part:

English	Metric
2.205 lb	1 kg
1 T	0.907 Mg
1 lb/T	0.500 kg/Mg
mmBtu/hr	0.293 MW
1 lb/mmBtu	1.548 kg/MW-hr
1 mi	1.61 km
1 gr/scf	2289 mg/scm

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.103 Definitions

Unless otherwise indicated, the definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.104 Incorporations by Reference

The following materials are incorporated by reference. These incorporations do not include any later amendments or editions.

- a) 40 CFR 60, Appendix A (2014):
 - 1) Method 1: Sample and Velocity Traverses for Stationary Sources;
 - 2) Method 2: Determination of Stack Gas Velocity and Volumetric Flow Rate;
 - 3) Method 3: Gas Analysis for the Determination of Dry Molecular Weight;
 - 4) Method 4: Determination of Moisture Content in Stack Gases;
 - 5) Method 6: Determination of Sulfur Dioxide Emissions From Stationary Sources;
 - 6) Method 6A: Determination of Sulfur Dioxide, Moisture, and Carbon Dioxide Emissions From Fossil Fuel Combustion Sources;
 - 7) Method 6B: Determination of Sulfur Dioxide and Carbon Dioxide Daily Average Emissions From Fossil Fuel Combustion Sources;
 - 8) Method 6C: Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure);
 - 9) Method 8: Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions From Stationary Sources;
 - 10) Method 19: Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates.
- b) 40 CFR 60.8(b) (2014), Performance Tests.
- c) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:
 - 1) For solid fuel sampling:

ASTM D-2234 (1989)

ASTM D-2013 (1986)

- 2) For sulfur determinations:

ASTM D-3177 (1984)

ASTM D-2622 (1987)

ASTM D-3180 (1984)

ASTM D-4239 (1985)

- 3) For heating value determinations:

ASTM D-2015 (1985)

ASTM D-3286 (1985)

- d) Tutwiler Procedure for hydrogen sulfide, 40 CFR 60.648 (2014).
- e) 40 CFR 75 (2014).
- f) USEPA's Emission Measurement Center Guideline Document (GD-042), Preparation and Review of Site-Specific Emission Test Plans, Revised March 1999.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.121 Large Sources

This Section applies to new fuel combustion emission sources with actual heat input greater than 73.2 MW (250 mmBtu/hr).

- a) Solid Fuel Burned Exclusively. No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source greater than 73.2 MW (250 mmBtu/hr), burning solid fuel exclusively, to exceed 1.86 kg of sulfur dioxide per MW-hr of actual heat input (1.2 lbs/mmBtu).

(BOARD NOTE: This Section was invalidated in *Commonwealth Edison v. PCB*, 25 Ill. App.3d 271, 62 Ill.2d 494, 43 N.E.2d 459, 323 N.E.2d 84, *Ashland Chemical Corp. v. PCB*, 64 Ill. App.3d 169, and *Illinois State Chamber of Commerce v. PCB*, 67 Ill. App.3d 839, 384 N.E.2d 922, 78 Ill.2d 1, 398 N.E.2d 9.)

- b) Liquid Fuel Burned Exclusively.
- 1) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source with actual heat input greater than 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, to exceed the following:
- A) 1.2 kg of sulfur dioxide per MW-hr of actual heat input when residual fuel oil is burned (0.8 lbs/mmBtu); and
- B) 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu);
- 2) On and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input greater than 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:
- A) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
- B) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and

- C) The owner or operator must:
- i) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(2)(A) and (b)(2)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - ii) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - iii) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b)(2). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.122 Small Sources

This Section applies to new fuel combustion emission sources with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr).

- a) **Solid Fuel Burned Exclusively.** No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning solid fuel exclusively, to exceed 2.79 kg of sulfur dioxide per MW-hr of actual heat input (1.8 lbs/mmBtu).
- b) **Liquid Fuel Burned Exclusively.**
 - 1) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, to exceed the following:
 - A) 1.55 kg of sulfur dioxide per MW-hr of actual heat input when residential fuel oil is burned (1.0 lbs/mmBtu); and
 - B) 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu);
 - 2) On and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:
 - A) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
 - B) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and
 - C) The owner or operator must:
 - i) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(2)(A) and (b)(2)(B), such

as records from the fuel supplier indicating the sulfur content of the fuel oil;

- ii) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
- iii) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b)(2). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART D: EXISTING LIQUID OR MIXED FUEL
COMBUSTION EMISSION SOURCES

Section 214.161 Liquid Fuel Burned Exclusively

- a) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any existing fuel combustion emission source, burning liquid fuel exclusively, to exceed the following:
 - 1) 1.55 kg of sulfur dioxide per MW-hr of actual heat input when residual fuel oil is burned (1.0 lbs/mmBtu); and
 - 2) 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu).

- b) Except as provided in subsections (c) and (d), on and after January 1, 2017, the owner or operator of an existing fuel combustion emission source, burning liquid fuel exclusively, must comply with the following:
 - 1) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
 - 2) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and
 - 3) The owner or operator must:
 - A) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(1) and (b)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - B) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - C) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible

cause of the deviations, any corrective actions taken, and any preventative measures taken.

- c) The sulfur content limitation for distillate fuel oil in subsection (b)(2) does not apply to existing electric generating units at Midwest Generation's Joliet station (located at or near 1800 Channahon Road, Joliet IL), Powerton station (located at or near 13082 E. Manito Road, Pekin IL), Waukegan station (located at or near 401 E. Greenwood Avenue, Waukegan IL), and Will County station (located at or near 529 E. 135th, Romeoville IL). The owner or operator of such electric generating units must instead comply with the following:
- 1) From January 1, 2016 through December 31, 2018, the sulfur content of all distillate fuel oil purchased for use by such electric generating units must not exceed 15 ppm;
 - 2) From January 1, 2017 through December 31, 2018, the sulfur content of all distillate fuel oil used by such electric generating units must not exceed 500 ppm;
 - 3) On and after January 1, 2019, the sulfur content of all distillate fuel oil used by such electric generating units must not exceed 15 ppm;
 - 4) The owner or operator must:
 - A) Maintain records demonstrating that the distillate fuel oil purchased from January 1, 2016 through December 31, 2018 for use by the electric generating units complies with the requirements in subsection (c)(1), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used from January 1, 2017 through December 31, 2018, by the electric generating units, complies with the requirements in subsection (c)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - C) On and after January 1, 2019, maintain records demonstrating that the distillate fuel oil used by the electric generating units complies with the requirements in subsection (c)(3), such as records from the fuel supplier indicating the sulfur content of the fuel oil;

- D) Retain all records required by this subsection (c) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - E) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (c). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- d) The sulfur content limitation for distillate fuel oil in subsection (b)(2) does not apply to existing fuel combustion emission sources at Caterpillar's Montgomery facility (located at or near 325 South Route 31, Montgomery IL). The owner or operator of the fuel combustion emission sources must instead comply with the following:
- 1) On and after January 1, 2016:
 - A) The sulfur content of all distillate fuel oil purchased for use by the fuel combustion emission sources must not exceed 15 ppm; and
 - B) The sulfur content of all distillate fuel oil used by the fuel combustion emission sources must not exceed 500 ppm;
 - 2) The owner or operator must:
 - A) Maintain records demonstrating that the distillate fuel oil purchased on and after January 1, 2016 for use by the fuel combustion emission sources complies with the requirements in subsection (d)(1)(A), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used on and after January 1, 2016 by the fuel combustion emission sources complies with the requirements in subsection (d)(1)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - C) Retain all records required by this subsection (d) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and

- D) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (d). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.162 Combination of Fuels

- a) No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any fuel combustion emission source burning simultaneously any combination of solid, liquid and gaseous fuels to exceed the allowable emission rate determined by the following equation:

$$E = S_S H_S + S_d H_d + S_R H_R$$

- b) Symbols in the equation mean the following:

- E = allowable sulfur dioxide emission rate;
S_S = solid fuel sulfur dioxide emission standard which is applicable;
S_d = distillate oil sulfur dioxide emission standard determined from the table in subsection (d);
S_R = residual fuel oil sulfur dioxide emission standard;
H_S = actual heat input from solid fuel;
H_d = actual heat input from distillate fuel oil;
H_R = actual heat input from residual fuel oil.

- c) That portion of the actual heat input that is derived:

- 1) From the burning of gaseous fuels produced by the gasification of solid fuels shall be included in H_S;
- 2) From the burning of gaseous fuels produced by the gasification of distillate fuel oil shall be included in H_d;
- 3) From the burning of gaseous fuels produced by the gasification of residual fuel oil shall be included in H_R;
- 4) From the burning of gaseous fuels produced by the gasification of any other liquid fuel shall be included in H_R; and
- 5) From the burning of by-product gases such as those produced from a blast furnace or a catalyst regeneration unit in a petroleum refinery shall be included in H_R.

- d) Metric or English units may be used in the equation of subsection (a) as follows:

Parameter

Metric

English

E	kg/hr	lbs/hr
S _S , S _R	kg/MW-hr	lbs/mmBtu
S _d prior to January 1, 2017	0.46 kg/MW-hr	0.3 lbs/mmBtu
S _d on and after January 1, 2017	0.0023 kg/MW-hr	0.0015 lb/mmBtu
H _S , H _d , H _R	MW	mmBtu

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART F: ALTERNATIVE STANDARDS FOR
SOURCES INSIDE METROPOLITAN AREAS

Section 214.201 Alternative Standards for Sources in Metropolitan Areas

Any owner or operator of an existing fuel combustion emission source located in the Chicago, St. Louis (Illinois) or Peoria major metropolitan areas may petition the Board for approval of an alternate emission rate specified in emissions of pounds of sulfur dioxide per mmBtu of actual heat input for any such fuel combustion emission source, up to a maximum of 6.8 pounds of sulfur dioxide per mmBtu of actual heat input (10.5 kg/MW-hr). Such person shall prove in an adjudicative hearing before the Board that the proposed emission rate will not, under predictable worst case conditions cause or contribute to a violation of any applicable primary or secondary sulfur dioxide ambient air quality standard or of any applicable prevention of significant deterioration increment. An emission rate approved pursuant to this Section shall be a substitute for that standard otherwise required by this Part. Nothing in this Section, however, excuses a source subject to Subpart AA from complying with the requirements set forth in that Subpart.

- a) Every owner or operator of an existing fuel combustion emission source so petitioning the Board for approval of an emission standard shall follow the applicable procedures described in 35 Ill. Adm. Code, Subtitle A, Chapter I.
- b) Any emission standard so approved shall be included as a condition in operating permits issued pursuant to 35 Ill. Adm. Code 201. Any owner or operator of a fuel combustion emission source who receives Board approval of such an emission standard shall apply to the Agency within 30 days after approval of that standard for a revision of its operating permit for the source.
- c) No owner or operator of an existing fuel combustion emission source shall seek an alternate emission rate under this Section, or comply with an alternate emission rate granted under this Section, by the use of dispersion enhancement techniques referred to in Section 214.202.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART K: PROCESS EMISSION SOURCES

Section 214.300 Scope

Subpart K contains general rules for sulfur emissions from process sources. These may be modified by industry and site specific rules in other Subparts of this Part. Subpart K also contains sulfur content limitations for fuel oil used by process emission sources. These sulfur content limitations apply regardless of industry and site specific rules set forth in other Subparts of this Part.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.305 Fuel Sulfur Content Limitations

- a) Except as provided in subsections (b), (c), and (d), on and after January 1, 2017, the owner or operator of a process emission source must comply with the following:
 - 1) The sulfur content of all residual fuel oil used by the process emission source must not exceed 1000 ppm;
 - 2) The sulfur content of all distillate fuel oil used by the process emission source must not exceed 15 ppm; and
 - 3) The owner or operator must:
 - A) Maintain records demonstrating that the fuel oil used by the process emission source complies with the requirements in subsections (a)(1) and (a)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - B) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - C) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (a). At minimum, and in addition to any permitting obligations, such notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- b) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to distillate fuel oil used by "TC-F/TC-L/TCL Wing 5" and "TC-F/TC-L Alternative" at Caterpillar Technical Center (located at or near 1311 E. Cedar Hills Dr., Mossville IL) for purposes of research and development or testing of equipment intended for sale outside of Illinois. This exemption is limited to a combined total of 150,000 gallons of distillate fuel oil per calendar year. The sulfur content of the fuel oil must not exceed 500 ppm. The owner or operator of the process emission sources described in this subsection must also comply with the following:
 - 1) Maintain records indicating the amount of distillate fuel oil used by the process emission sources each calendar year for purposes of research and

- development or testing of equipment for sale outside of Illinois, as well as records demonstrating that the fuel oil complies with the requirements in this subsection (b), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
- 2) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - 3) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- c) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to existing process emission sources at Caterpillar's Montgomery facility (located at or near 325 South Route 31, Montgomery IL). The owner or operator of these process emission sources must instead comply with the following:
- 1) On and after January 1, 2016:
 - A) The sulfur content of all distillate fuel oil purchased for use by the process emission sources must not exceed 15 ppm; and
 - B) The sulfur content of all distillate fuel oil used by the process emission sources must not exceed 500 ppm;
 - 2) The owner or operator must:
 - A) Maintain records demonstrating that the distillate fuel oil purchased on and after January 1, 2016, for use by the process emission sources, complies with the requirements in subsection (c)(1)(A), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used on and after January 1, 2016, by the process emission sources, complies with the requirements in subsection (c)(1)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;

- C) Retain all records required by this subsection (c) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - D) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (c). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- d) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to existing electric generating units at Midwest Generation's Fisk station (located at or near 1111 W. Cermak Road, Chicago IL) or Waukegan station (located at or near 401 E. Greenwood Avenue, Waukegan IL). The owner or operator of these electric generating units must instead comply with the following:
- 1) From January 1, 2016 through December 31, 2018, the sulfur content of all distillate fuel oil purchased for use by these electric generating units must not exceed 15 ppm;
 - 2) From January 1, 2017 through December 31, 2018, the sulfur content of all distillate fuel oil used by these electric generating units must not exceed 500 ppm;
 - 3) On and after January 1, 2019, the sulfur content of all distillate fuel oil used by these electric generating units must not exceed 15 ppm;
 - 4) The owner or operator must:
 - A) Maintain records demonstrating that the distillate fuel oil purchased from January 1, 2016 through December 31, 2018, for use by the electric generating units, complies with the requirements in subsection (d)(1), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used from January 1, 2017 through December 31, 2018, by the electric generating units, complies with the requirements in subsection (d)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;

- C) On and after January 1, 2019, maintain records demonstrating that the distillate fuel oil used by the electric generating units complies with the requirements in subsection (d)(3), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
- D) Retain all records required by this subsection (d) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
- E) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (d). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.421 Combination of Fuels at Steel Mills in Metropolitan Areas

- a) Section 214.162 notwithstanding, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any existing fuel combustion emission source at a steel mill located in the Chicago or St. Louis (Illinois) major metropolitan area burning any solid, liquid or gaseous fuel, or any combination thereof, to exceed the allowable emission rate determined by the following equation:

$$E = S_S H_S + S_d H_d + S_R H_R + S_G H_G$$

- b) Symbols in the equation mean the following:

E	= allowable sulfur dioxide emission rate;
S _S	= solid fuel sulfur dioxide emission standard which is applicable;
S _d	= distillate oil sulfur dioxide emission standard determined from the table in subsection (d);
S _R	= residual oil sulfur dioxide emission standard which is applicable;
S _G	= maximum by-product gas sulfur dioxide emissions which would result if the applicable by-product gas which was burned had been burned alone at any time during the 12 months preceding the latest operation, on or before March 28, 1983, of an emission source using any by-product gas;
H _S	= actual heat input from solid fuel;
H _d	= actual heat input from distillate fuel oil;
H _R	= actual heat input from residual fuel oil;
H _G	= actual heat input from by-product gases, such as those produced from a blast furnace.

- c) That portion of the actual heat input that is derived:

- 1) From the burning of gaseous fuels produced by the gasification of solid fuels shall be included in H_S;
- 2) From the burning of gaseous fuels produced by the gasification of distillate fuel oil shall be included in H_d;
- 3) From the burning of gaseous fuels produced by the gasification of residual fuel oil shall be included in H_R; and
- 4) From the burning of gaseous fuels produced by the gasification of any other liquid fuel shall be included in H_G.

- d) Metric or English units may be used in the equation of subsection (a) as follows:

<u>Parameter</u>	<u>Metric</u>	<u>English</u>
E	kg/hr	lbs/hr
S _S , S _R , S _G	kg/MW-hr	lbs/mmBtu
S _d prior to January 1, 2017	0.46 kg/MW-hr	0.3 lbs/mmBtu
S _d on and after January 1, 2017	0.0023 kg/MW-hr	0.0015 lb/mmBtu
H _S , H _d , H _R , H _G	MW	mmBtu

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART AA: REQUIREMENTS FOR CERTAIN SO₂ SOURCES**Section 214.600 Definitions**

For purposes of this Subpart, the following definitions apply. Unless a different meaning for a term is clear from its context, all terms not defined in this Section have the meanings given to them in the Illinois Environmental Protection Act and in 35 Ill. Adm. Code 201 and 211.

"Agency" means the Illinois Environmental Protection Agency.

"Aventine Renewable Energy" means the ethanol production source located at or near 1300 S. 2nd Street, Pekin IL.

"Illinois Power Resources Generating E.D. Edwards" means the electrical power generation source located at or near 7800 S. Cilco Lane, Bartonville IL.

"Ingredion Bedford Park" means the corn wet milling source located at or near 6400 S. Archer Road, Bedford Park IL.

"Midwest Generation Joliet" means the electrical power generation source located at or near 1800 Channahon Road, Joliet IL.

"Midwest Generation Powerton" means the electrical power generation source located at or near 13082 E. Manito Road, Pekin IL.

"Midwest Generation Will County" means the electrical power generation source located at or near 529 E. 135th, Romeoville IL.

"Owens Corning" means the asphalt and roofing products manufacturing source located at or near 5824 S. Archer Road, Summit IL.

"Oxbow Midwest Calcining" means the petroleum coke product source located at or near 12308 S. New Avenue, Lemont IL.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.601 Applicability

- a) This Subpart applies to the following sources:
 - 1) Aventine Renewable Energy;
 - 2) Illinois Power Resources Generating E.D. Edwards;
 - 3) Ingredion Bedford Park;
 - 4) Midwest Generation Joliet;
 - 5) Midwest Generation Powerton;
 - 6) Midwest Generation Will County;
 - 7) Owens Corning; and
 - 8) Oxbow Midwest Calcining.
- b) Once a source is subject to this Subpart, it is always subject to this Subpart, regardless of change in ownership or unit designation, or any other modification at the source.
- c) Nothing in this Subpart relieves a source of the obligation to comply with the air quality standards set forth in 35 Ill. Adm. Code 243, or with any other applicable requirement set forth in this Part.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.602 Compliance Deadline

On and after January 1, 2017, the owner or operator of a source identified in Section 214.601(a) must comply with the provisions in this Subpart.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.603 Emission Limitations

The owner or operator of a source must comply with the following emission limitations, as applicable, expressed in terms of pounds of SO₂ emitted per clock hour.

a)	Aventine Renewable Energy	lb/hr
1)	Cyclone East controlling First Germ Drying System	0.27
2)	Cyclone West controlling First Germ Drying System	0.37
3)	Second Germ Drying System	0.01
4)	Gluten Dryer 4	3.12
5)	Gluten Dryer 9	10.50
6)	Germ Dryer 1	4.98
7)	Germ Dryer 3	4.26
8)	Yeast Dryer	1.50
9)	Scrubber controlling Steep Acid Tower	1.79
10)	Biogas Flare	0.001
11)	Boiler A	0.00
12)	Boiler B	0.00
13)	Boiler C	0.00
b)	Illinois Power Resources Generating E.D. Edwards	lb/hr
1)	Units 1 and 2 combined	2100.00
2)	Unit 3	2756.00

	3)	Unit 3, if both Units 1 and 2 permanently shut down	4000.00
c)		Ingredion Bedford Park	lb/hr
	1)	Feed Transport System	24.38
	2)	Wet Milling: Inside In-Process Tanks	107.26
	3)	Wet Milling: Molten Sulfur Burner and Absorption System	7.01
	4)	Wet Milling: Outside In-Process Tanks	2.69
	5)	Germ Processing Facility Channel 1 System	13.36
	6)	Germ Processing Facility Channel 2 System	7.07
	7)	Germ Processing Facility Channel 3 System	7.07
	8)	Germ Processing Facility Channel 4 System	7.07
d)		Midwest Generation Joliet	lb/hr
	1)	Joliet 9: Unit 6	189.82
	2)	Joliet 29: Unit 7	323.29
	3)	Joliet 29: Unit 8	342.15
e)		Midwest Generation Powerton	lb/hr
	1)	Boilers 51, 52 (Unit 5) and 61, 62 (Unit 6) combined	3452.00

- 2) The owner or operator must comply with the emission limitation set forth in subsection (e)(1) on a 30-operating day rolling average basis. For purposes of this Subpart, an operating day is a calendar day in which any emission unit addressed in subsection (e)(1) combusts any fuel;
- 3) Within 24 hours after the end of each averaging period, the owner or operator must use the following equation to determine the combined SO₂ emission rate of the emission units addressed in subsection (e)(1) for each averaging period, which concludes at the end of each operating day. The SO₂ emission rate must not exceed the limitation set forth in subsection (e)(1):

$$E_{avg} = \frac{\sum_{h=1}^n E_h}{n}$$

Where:

E_{avg} = SO₂ emission rate for the averaging period, in lb/hr.

E_h = SO₂ emission rate for stack operating hour "h" in the averaging period. For purposes of this Subpart, a stack operating hour is a clock hour in which valid data is obtained, and in which gases flow through the monitored stack or duct for the emission units addressed in subsection (e)(1) (either for part of the hour or for the entire hour) while at least one of the units is combusting fuel.

n = Number of stack operating hours in the averaging period in which valid data is obtained.

- 4) The SO₂ emission rate for the emission units addressed in subsection (e)(1) must not exceed 6,000 lb/hr in more than 5% of the stack operating hours ("n" in the equation in subsection (e)(3)) in any averaging period.
- | | | |
|----|--------------------------------|---------|
| f) | Midwest Generation Will County | lb/hr |
| 1) | Unit 3 | 145.14 |
| 2) | Unit 4 | 5000.00 |
| g) | Owens Corning | lb/hr |

SUBTITLE B

SUBCHAPTER c

1)	Preheater Incinerator System 1, including emissions from: Storage Tanks 9, 9A, 10, 10A, 11, 17, 18, 19, 20, 40, 41, 42, and 43; Loading Racks 1, 2, and 9; and Convertors 10 and 11	44.69
2)	Preheater Incinerator System 3, including emissions from: Convertors 8, 9, 12, 13, 14, and 15; and Loading Racks 1, 2, and 9	27.23
3)	Regenerative Thermal Oxidizer 3 controlling: Storage Tanks 27, 28, 31, 32, 33, 34, 35, and 36	4.33
4)	Regenerative Thermal Oxidizer 4 controlling: Storage Tank 98; Loading Rack PV1	6.38
5)	Coating Operations combined	0.15
h)	Oxbow Midwest Calcining	lb/hr
	All Calcining Units combined	187.00

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.604 Monitoring and Testing

- a) The owner or operator of a source must, for each emission unit at the source that is addressed in Section 214.603, demonstrate compliance with the applicable emission limitations in Section 214.603 via the monitoring and testing requirements set forth in this Section.
- b) The owners or operators of the following sources must, for each emission unit at the source that is addressed in Section 214.603, install, calibrate, maintain, and operate a continuous emissions monitoring system for the measurement of SO₂ emissions in accordance with 40 CFR 75 (except 40 CFR 75.31 through 34), incorporated by reference in Section 214.104, and subsection (d), or utilize an alternative monitoring method available to the emission unit under 40 CFR 75:
 - 1) Illinois Power Resources Generating E.D. Edwards;
 - 2) Midwest Generation Joliet;
 - 3) Midwest Generation Powerton; and
 - 4) Midwest Generation Will County.
- c) The owner or operator of all sources not addressed in subsection (b) must, for each emission unit at the source that is addressed in Section 214.603, either conduct performance testing in accordance with subsection (e) or install, calibrate, maintain, and operate a continuous emissions monitoring system for the measurement of SO₂ emissions in accordance with 40 CFR 60 or 40 CFR 75 (except 40 CFR 75.31 through 34), incorporated by reference in Section 214.104, and subsection (d) of this Section.
- d) The owner or operator of a source with an emission unit demonstrating compliance through the use of a continuous emissions monitoring system must comply with the following for each unit:
 - 1) If two or more of the emission units addressed in Section 214.603 are served by a common stack, the owner or operator may utilize a single continuous emissions monitoring system for those units;
 - 2) If the owner or operator of an emission unit subject to Section 214.604(c) changes the method of demonstrating compliance for that unit from performance testing to use of a continuous emissions monitoring system, the owner or operator must install, calibrate, and begin operating the

- continuous emissions monitoring system on or before the performance testing deadline determined in accordance with subsection (e)(2); and
- 3) The provisions in 40 CFR 75.31 through 34 regarding missing data substitution must not be used for purposes of demonstrating compliance with the requirements set forth in this Subpart.
- e) The owner or operator of a source with an emission unit demonstrating compliance through performance testing must comply with the following for each unit. All testing done pursuant to this Section must be conducted at the owner's or operator's own expense:
- 1) Conduct an initial performance test after January 1, 2015 and prior to January 1, 2017. If the owner or operator of an emission unit subject to Section 214.604(c) changes the method of demonstrating compliance for that unit from use of a continuous emissions monitoring system to performance testing, the owner or operator must demonstrate compliance by conducting an initial performance test prior to discontinuing the continuous emissions monitoring system;
 - 2) Conduct subsequent performance tests at least once every 5 years from the date of the last performance test. The date of the initial performance test conducted pursuant to subsection (e)(1) begins the 5-year period;
 - 3) Conduct additional performance testing when, in the opinion of the Agency or USEPA, that testing is necessary to demonstrate compliance with the requirements in Section 214.603. The test must be conducted within 90 days after receipt of a notice to test from the Agency or USEPA, unless the notice specifies an alternative testing deadline;
 - 4) Submit a testing protocol as described in USEPA's Emission Measurement Center Guideline Document (GD-042), incorporated by reference in Section 214.104, to the Agency at least 45 days prior to a scheduled emissions test, unless that deadline is waived in writing by the Agency;
 - 5) Submit a written notification of a scheduled emissions test to the Agency at least 30 days prior to the test date and again 5 days prior to testing, unless those deadlines are waived in writing by the Agency. If, after the 30 days' notice of a test is sent, there is a delay in conducting the test as scheduled (e.g., due to operational problems), the owner or operator must notify the Agency as soon as practicable of the delay, either by providing at least 7 days' notice of the rescheduled test date or by arranging a new test date with the Agency by mutual agreement;

- 6) Conduct each performance test using Method 1, 2, 3, 4, 6, 6A, 6B, 6C, or 19, incorporated by reference in Section 214.104, or other alternative USEPA methods approved by the Agency. Each test must consist of at least 3 separate runs, each lasting a minimum of 60 minutes, and must be conducted during conditions representative of maximum SO₂ emissions. Compliance with the applicable limitation in Section 214.603 must be determined in accordance with 35 Ill. Adm. Code 283;
- 7) If the unit has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel; and
- 8) Subsequent to each performance test used to demonstrate compliance, continue operating the emission unit within the parameters enumerated in the testing results submitted to the Agency for each test, and monitor the parameters regularly to ensure ongoing compliance.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.605 Recordkeeping and Reporting

- a) By January 1, 2017, the owner or operator of a source must submit to the Agency the following:
 - 1) A certification that the source will be in compliance with the provisions in this Subpart by January 1, 2017;
 - 2) For a source with an emission unit demonstrating compliance through performance testing:
 - A) The results of the initial performance test conducted pursuant to Section 214.604(e)(1);
 - B) The calculations necessary to demonstrate that the emission unit will be in initial compliance; and
 - C) A description of the measures the source will take to ensure the emission unit continues to operate within the parameters enumerated in the testing results submitted to the Agency for each test used to demonstrate compliance, including how those parameters will ensure ongoing compliance with the applicable limitation in Section 214.603 and the specific monitoring procedures that will be implemented for each parameter;
 - 3) For a source with an emission unit demonstrating compliance through the use of a continuous emissions monitoring system, a certification of the installation and operation of the continuous emissions monitoring system and the monitoring data necessary to demonstrate that the emission unit will be in initial compliance;
 - 4) For a source with an emission unit demonstrating compliance through the use of an alternative monitoring method under 40 CFR 75, a description of the alternative monitoring method being used and the monitoring data necessary to demonstrate that the emission unit will be in initial compliance; and
 - 5) A description of the method or methods the source will use to comply with all applicable emission limitations in Section 214.603, including a description of all control devices used and, for sources with emission units demonstrating compliance through performance testing, the operating parameters for those devices.

- b) The owner or operator of a source must keep and maintain records that demonstrate ongoing compliance with the requirements of this Subpart. The records must include the following:
- 1) The calendar date of the record;
 - 2) Reports for all performance tests conducted pursuant to Section 214.604(e), including the date of the test and the results;
 - 3) A log of the date, time, nature, and results of all parametric monitoring conducted pursuant to Section 214.604(e)(8);
 - 4) For each SO₂ continuous emissions monitoring system, a log indicating any periods when the device was not in service, maintenance and inspection activities performed on the device, and all information necessary to demonstrate compliance with the monitoring requirements in Section 214.604;
 - 5) The date, time, and duration of any malfunction in the operation of an emission unit addressed in Section 214.603 or any SO₂ control equipment for that unit, if the malfunction causes an exceedance of any applicable emission limitation in Section 214.603, and the date, time, and duration of any malfunction in the operation of any SO₂ emissions monitoring equipment for that unit. The records must include a description of the malfunction, the probable cause of the malfunction, the date and nature of the corrective action taken, and any preventative action taken to avoid future malfunctions;
 - 6) A log of all inspections, cleaning, maintenance, and repair activities performed on SO₂ control equipment for an emission unit addressed in Section 214.603, including the date and nature of those activities. The log must indicate any changes made to the control equipment, including removal or replacement of the equipment; and
 - 7) For emission units subject to the emission limitation in Section 214.603(e), the SO₂ emission rate of the units for each averaging period and supporting calculations.
- c) Except as otherwise indicated in this Subpart, the owner or operator of a source with an emission unit demonstrating compliance through performance testing must submit the results of all tests conducted pursuant to Section 214.604(e) within 60 days after completion of the test.

- d) The owner or operator of a source must notify the Agency at least 30 days prior to changing the method of demonstrating compliance for an emission unit addressed in Section 214.603. The owner or operator must also comply with the following, as applicable:
- 1) For an emission unit changing the method of demonstrating compliance from performance testing to use of a continuous emissions monitoring system, submit to the Agency a certification of the installation and operation of the continuous emissions monitoring system and the monitoring data necessary to demonstrate compliance. The submittal must be made within 30 days after beginning operation of the continuous emissions monitoring system, and on or before the performance testing deadline determined in accordance with Section 214.604(e)(2);
 - 2) For an emission unit changing the method of demonstrating compliance from use of a continuous emissions monitoring system to performance testing, submit to the Agency the following. The submittal must be made prior to discontinuing operation of the continuous emissions monitoring system:
 - A) The results of the initial performance test conducted pursuant to Section 214.604(e)(1);
 - B) The calculations necessary to demonstrate compliance; and
 - C) A description of the measures the source will take to ensure the emission unit continues to operate within the parameters enumerated in the testing results submitted to the Agency for each test used to demonstrate compliance, including how the parameters will ensure ongoing compliance with the applicable limitation in Section 214.603 and the specific monitoring procedures that will be implemented for each parameter;
 - 3) For an emission unit changing the method of demonstrating compliance from use of a continuous emissions monitoring system to an alternative monitoring method under 40 CFR 75, submit to the Agency a description of the alternative monitoring method being used and the monitoring data necessary to demonstrate compliance. The submittal must be made prior to discontinuing operation of the continuous emissions monitoring system.
- e) The owner or operator of a source must notify the Agency within 30 days after discovery of deviations from any of the requirements in this Subpart or any

exceedance of an applicable emission limitation in Section 214.603. At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations or exceedances, a discussion of the possible cause of the deviations or exceedances, any corrective actions taken, and any preventative measures taken.

- f) The owner or operator of a source must maintain all records required by this Section at the source for a minimum of 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency.

(Source: Added at 39 Ill. Reg. _____, effective _____)

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

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SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

PART 214
SULFUR LIMITATIONS

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POLLUTION CONTROL BOARD

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NOTICE OF ADOPTED AMENDMENTS

AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/10 and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 204: Sulfur Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R74-2, R75-5, 38 PCB 129, at 4 Ill. Reg. 28, p. 417, effective June 26, 1980; amended in R78-17, 40 PCB 291, at 5 Ill. Reg. 1892, effective February 17, 1981; amended in R77-15, 44 PCB 267, at 6 Ill. Reg. 2146, effective January 28, 1982; amended and renumbered in R80-22(A) at 7 Ill. Reg. 4220, effective March 28, 1983; codified at 7 Ill. Reg. 13597; amended in R80-22(B) at 8 Ill. Reg. 6172, effective April 24, 1984; amended in R84-28 at 10 Ill. Reg. 9806, effective May 20, 1986; amended in R86-31 at 12 Ill. Reg. 17387, effective October 14, 1988; amended in R86-30 at 12 Ill. Reg. 20778, effective December 5, 1988; amended in R87-31 at 15 Ill. Reg. 1017, effective January 15, 1991; amended in R02-21 at 27 Ill. Reg. 12101, effective July 11, 2003; amended in R04-12/20 at 30 Ill. Reg. 9671, effective May 15, 2006; amended in R15-21 at 39 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 214.101 Measurement Methods

A determination of non-compliance based on any subsection of this Section shall not be refuted by evidence of compliance with any other subsection.

- a) Sulfur Dioxide Measurement. Measurement of sulfur dioxide emissions from stationary sources shall be made according to an applicable method specified in 40 CFR 60, ~~appendix~~Appendix A, Method 6, 6A, 6B, or 6C, incorporated by reference in Section 214.104(a), or by measurement procedures established pursuant to 40 CFR 60.8(b), incorporated by reference in Section 214.104(b), or by an installed certified continuous emissions monitoring system, or by an alternative monitoring method available under 40 CFR 75, incorporated by reference in Section 214.104(e). (Ill. Rev. Stat. 1989, ch. 111½, par. 1010.)
- b) Sulfuric Acid Mist and Sulfur Trioxide Measurement. Measurement of sulfuric acid mist and sulfur trioxide shall be according to the barium-thorin titration method specified in 40 CFR 60, ~~appendix~~Appendix A, Method 8, incorporated~~incorporated~~ by reference in Section 214.104(a), or a controlled condensate method approved in writing by the Agency.
- c) Solid Fuel Averaging Measurement Daily Analysis Method. This subsection

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applies to sources at plants with total solid fuel-fired heat input capacity exceeding 439.5 MW (1500 ~~mm~~millionBtu/hr). If daily fuel analysis is used to demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a) 214.162, 214.186 and 214.421, the sulfur dioxide emission rate to be compared to the emission limit shall be considered to be the result of averaging daily samples taken over any consecutive two-month period provided no more than 5 percent of the sample values are greater than 20 percent above the sample average. If samples from a source cannot meet this statistical criterion, each individual daily sample analysis for such source shall be compared to the source's emission limit to determine compliance. The specific ASTM procedures, incorporated by reference in Section 214.104(c), shall be used for solid fuel sampling, sulfur, and heating value determinations.

- d) Weekly Analysis Method. This subsection applies to sources at plants with total solid fuel-fired heat input capacity exceeding 146.5 MW (500 ~~mm~~millionBtu/hr) but not exceeding 439.5 MW (1500 ~~mm~~millionBtu/hr). These plants shall demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 by either an analysis of calendar weekly composites of daily fuel samples or by compliance with subsection (c)~~above~~, at the option of the plant. The specific ASTM procedures incorporated by reference in Section 214.104(c), shall be used for sulfur and heating value determinations.
- e) Monthly Analysis Method. This subsection applies to sources at plants with total fuel-fired heat input capacity exceeding 14.65 MW (50 ~~mm~~millionsBtu/hr) but not exceeding 146.5 MW (500 ~~mm~~millionBtu/hr). These plants shall demonstrate compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 by either an analysis of calendar monthly composites of daily fuel samples or by compliance with subsection (c)~~above~~, at the option of the plant. ASTM procedures incorporated by reference in Section 214.104(c), shall be used for sulfur and heating value determinations.
- f) Small Source Alternative Method. This subsection applies to sources at plants with total solid fuel-fired heat input capacity not exceeding 14.65 MW (50 ~~mm~~millionBtu/hr). Compliance or non-compliance with Sections 214.122, 214.141, 214.142(a), 214.162, 214.186 and 214.421 shall be demonstrated by a calendar month average sulfur dioxide emission rate.
- g) Exemptions. Subsections (c) through (f) shall not apply to sources controlling sulfur dioxide emissions by flue gas desulfurization equipment or by sorbent

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injection.

- h) Hydrogen Sulfide Measurement. For purposes of determining compliance with Section 214.382(c), the concentration of hydrogen sulfide in petroleum refinery fuel gas shall be measured using the Tutwiler Procedure specified in 40 CFR 60.648, incorporated by reference in Section 214.104(d).

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.102 Abbreviations and Units

- a) The following abbreviations are used in this Part:

<u>BTU</u> or btu	British thermal units (60° F)
ft	foot
gr	grains
J	Joule
kg	kilogram
kg/MW-hr	kilograms per megawatt-hour
km	kilometer
lbs	pounds
lbs/mm <u>B</u> btu	pounds per million <u>B</u> btu
m	meter
mg	milligram
Mg	megagram, metric ton or tonne
mi	mile
mm <u>B</u> btu	million British thermal units
mm <u>B</u> btu/hr	million British thermal units per hour
MW	megawatt; one million watts
MW-hr	megawatt-hour
ng	nanogram; one billionth of a gram by volume
ng/J	nanograms per Joule
ppm	parts per million
scf	standard cubic foot
scm	standard cubic meter
T	English ton

- b) The following conversion factors have been used in this Part:

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English	Metric
2.205 lb	1 kg
1 T	0.907 Mg
1 lb/T	0.500 kg/Mg
mmBbtu/hr	0.293 MW
1	1.548 kg/MW-hr
lb/mmBbtu	
1 mi	1.61 km
1 gr/scf	2289 mg/scm

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.103 Definitions

Unless otherwise indicated, theThe definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.104 Incorporations by Reference

The following materials are incorporated by reference. These incorporations do not include any later amendments or editions.

- a) 40 CFR 60, Appendix A (~~2014~~1989):
 - 1) Method 1: Sample and Velocity Traverses for Stationary Sources;
 - 2) Method 2: Determination of Stack Gas Velocity and Volumetric Flow Rate;
 - 3) Method 3: Gas Analysis for the Determination of Dry Molecular Weight;
 - 4) Method 4: Determination of Moisture Content in Stack Gases;
 - 5) Method 6: Determination of Sulfur Dioxide Emissions From Stationary Sources;
 - 6) Method 6A: Determination of Sulfur Dioxide, Moisture, and Carbon Dioxide Emissions From Fossil Fuel Combustion Sources;

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- ~~73~~) Method 6B: Determination of Sulfur Dioxide and Carbon Dioxide Daily Average Emissions From Fossil Fuel Combustion Sources;
 - ~~84~~) Method 6C: Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure);
 - ~~95~~) Method 8: Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions From Stationary Sources;-
 - 10) Method 19: Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates.
- b) 40 CFR 60.8(b) (~~2014~~1989), Performance Tests.
- c) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:
- 1) For solid fuel sampling:
 - ASTM D-2234 (1989)
 - ASTM D-2013 (1986)
 - 2) For sulfur determinations:
 - ASTM D-3177 (1984)
 - ASTM D-2622 (1987)
 - ASTM D-3180 (1984)
 - ASTM D-4239 (1985)
 - 3) For heating value determinations:
 - ASTM D-2015 (1985)
 - ASTM D-3286 (1985)

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- d) Tutwiler Procedure for hydrogen sulfide, 40 CFR 60.648 (20141989).
- e) 40 CFR 75 (2014).
- f) USEPA's Emission Measurement Center Guideline Document (GD-042), Preparation and Review of Site-Specific Emission Test Plans, Revised March 1999.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART B: NEW FUEL COMBUSTION EMISSION SOURCES

Section 214.121 Large Sources

This ~~Section~~ applies to new fuel combustion emission sources with actual heat input greater than 73.2 MW (250 mmBtu/hr).

- a) Solid Fuel Burned Exclusively. No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source greater than 73.2 MW (250 mmBtu/hr), burning solid fuel exclusively, to exceed 1.86 kg of sulfur dioxide per MW-hr of actual heat input (1.2 lbs/mmBtu).

~~(BOARD NOTE)~~ Board Note: This ~~Section~~ was invalidated in Commonwealth Edison v. PCB, 25 Ill. App.3d 271, 62 Ill.2d 494, 43 N.E.2d 459, 323 N.E.2d 84, Ashland Chemical Corp. v. PCB, 64 Ill. App.3d 169, and Illinois State Chamber of Commerce v. PCB, 67 Ill. App.3d 839, 384 N.E.2d 922, 78 Ill.2d 1, 398 N.E.2d 9.)

- b) Liquid Fuel Burned Exclusively.
 - 1) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source with actual heat input greater than 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, to exceed the following:
 - A) To exceed 1.2 kg of sulfur dioxide per MW-hr of actual heat input when residual fuel oil is burned (0.8 lbs/mmBtu); and

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- ~~B2) To exceed 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu);~~
- 2) On and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input greater than 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:
- A) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
 - B) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and
 - C) The owner or operator must:
 - i) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(2)(A) and (b)(2)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - ii) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - iii) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b)(2). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.122 Small Sources

This ~~Section~~ applies to new fuel combustion emission sources with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr).

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- a) Solid Fuel Burned Exclusively. No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning solid fuel exclusively, to exceed 2.79 kg of sulfur dioxide per MW-hr of actual heat input (1.8 lbs/mmBtu).
- b) Liquid Fuel Burned Exclusively.
 - 1) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, to exceed the following:
 - A1) ~~To exceed~~ 1.55 kg of sulfur dioxide per MW-hr of actual heat input when residential fuel oil is burned (1.0 lbs/mmBtu); and
 - B2) ~~To exceed~~ 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu);
 - 2) On and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:
 - A) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
 - B) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and
 - C) The owner or operator must:
 - i) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(2)(A) and (b)(2)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;

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- ii) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
- iii) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b)(2). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART D: EXISTING LIQUID OR MIXED FUEL
COMBUSTION EMISSION SOURCES

Section 214.161 Liquid Fuel Burned Exclusively

- a) Prior to January 1, 2017, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any existing fuel combustion emission source, burning liquid fuel exclusively, to exceed the following:
 - 1a) ~~To exceed~~ 1.55 kg of sulfur dioxide per MW-hr of actual heat input when residual fuel oil is burned (1.0 lbs/mmBtu); and
 - 2b) ~~To exceed~~ 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lbs/mmBtu).
- b) Except as provided in subsections (c) and (d), on and after January 1, 2017, the owner or operator of an existing fuel combustion emission source, burning liquid fuel exclusively, must comply with the following:
 - 1) The sulfur content of all residual fuel oil used by the fuel combustion emission source must not exceed 1000 ppm;
 - 2) The sulfur content of all distillate fuel oil used by the fuel combustion emission source must not exceed 15 ppm; and

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- 3) The owner or operator must:
 - A) Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in subsections (b)(1) and (b)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - B) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - C) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

- c) The sulfur content limitation for distillate fuel oil in subsection (b)(2) does not apply to existing electric generating units at Midwest Generation's Joliet station (located at or near 1800 Channahon Road, Joliet IL), Powerton station (located at or near 13082 E. Manito Road, Pekin IL), Waukegan station (located at or near 401 E. Greenwood Avenue, Waukegan IL), and Will County station (located at or near 529 E. 135th, Romeoville IL). The owner or operator of such electric generating units must instead comply with the following:
 - 1) From January 1, 2016 through December 31, 2018, the sulfur content of all distillate fuel oil purchased for use by such electric generating units must not exceed 15 ppm;
 - 2) From January 1, 2017 through December 31, 2018, the sulfur content of all distillate fuel oil used by such electric generating units must not exceed 500 ppm;
 - 3) On and after January 1, 2019, the sulfur content of all distillate fuel oil used by such electric generating units must not exceed 15 ppm;
 - 4) The owner or operator must:

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- A) Maintain records demonstrating that the distillate fuel oil purchased from January 1, 2016 through December 31, 2018 for use by the electric generating units complies with the requirements in subsection (c)(1), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used from January 1, 2017 through December 31, 2018, by the electric generating units, complies with the requirements in subsection (c)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - C) On and after January 1, 2019, maintain records demonstrating that the distillate fuel oil used by the electric generating units complies with the requirements in subsection (c)(3), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - D) Retain all records required by this subsection (c) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - E) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (c). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- d) The sulfur content limitation for distillate fuel oil in subsection (b)(2) does not apply to existing fuel combustion emission sources at Caterpillar's Montgomery facility (located at or near 325 South Route 31, Montgomery IL). The owner or operator of the fuel combustion emission sources must instead comply with the following:
- 1) On and after January 1, 2016:
 - A) The sulfur content of all distillate fuel oil purchased for use by the fuel combustion emission sources must not exceed 15 ppm; and

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- B) The sulfur content of all distillate fuel oil used by the fuel combustion emission sources must not exceed 500 ppm;
- 2) The owner or operator must:
- A) Maintain records demonstrating that the distillate fuel oil purchased on and after January 1, 2016 for use by the fuel combustion emission sources complies with the requirements in subsection (d)(1)(A), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
- B) Maintain records demonstrating that the distillate fuel oil used on and after January 1, 2016 by the fuel combustion emission sources complies with the requirements in subsection (d)(1)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
- C) Retain all records required by this subsection (d) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
- D) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (d). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.162 Combination of Fuels

- a) No person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any fuel combustion emission source burning simultaneously any combination of solid, liquid and gaseous fuels to exceed the allowable emission rate determined by the following equation:

$$E = S_S H_S + S_d H_d + S_R H_R$$

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b) Symbols in the equation mean the following:

- E = allowable sulfur dioxide emission rate;
- S_S = solid fuel sulfur dioxide emission standard which is applicable;
- S_d = distillate oil sulfur dioxide emission standard determined from the table in subsection (d);
- S_R = residual fuel oil sulfur dioxide emission standard;
- H_S = actual heat input from solid fuel;
- H_d = actual heat input from distillate fuel oil;
- H_R = actual heat input from residual fuel oil;

c) That portion of the actual heat input that is derived:

- 1) From the burning of gaseous fuels produced by the gasification of solid fuels shall be included in H_S;
- 2) From the burning of gaseous fuels produced by the gasification of distillate fuel oil shall be included in H_d;
- 3) From the burning of gaseous fuels produced by the gasification of residual fuel oil shall be included in H_R;
- 4) From the burning of gaseous fuels produced by the gasification of any other liquid fuel shall be included in H_R; and;
- 5) From the burning of by-product gases such as those produced from a blast furnace or a catalyst regeneration unit in a petroleum refinery shall be included in H_R.

d) Metric or English units may be used in the equation of subsection (a) as follows:

<u>Parameter</u>	<u>Metric</u>	<u>English</u>
E	kg/hr	lbs/hr
S _S , S _R	kg/MW-hr	lbs/mmBtu
S _d prior to January 1, 2017	0.46 kg/MW-hr	0.3 lbs/mmBtu
S _d on and after January 1, 2017	0.0023 kg/MW-hr	0.0015 lb/mmBtu
H _S , H _d , H _R	MW	mmBtu

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(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART F: ALTERNATIVE STANDARDS FOR
SOURCES INSIDE METROPOLITAN AREAS

Section 214.201 Alternative Standards for Sources in Metropolitan Areas

Any owner or operator of an existing fuel combustion emission source located in the Chicago, St. Louis (Illinois) or Peoria major metropolitan areas may petition the Board for approval of an alternate emission rate specified in emissions of pounds of sulfur dioxide per mmBtu of actual heat input for any such fuel combustion emission source, up to a maximum of 6.8 pounds of sulfur dioxide per mmBtu of actual heat input (10.5 kg/MW-hr). Such person shall prove in an adjudicative hearing before the Board that the proposed emission rate will not, under predictable worst case conditions cause or contribute to a violation of any applicable primary or secondary sulfur dioxide ambient air quality standard or of any applicable prevention of significant deterioration increment. An emission rate approved pursuant to this Section shall be a substitute for that standard otherwise required by this Part. Nothing in this Section, however, excuses a source subject to Subpart AA from complying with the requirements set forth in that Subpart.

- a) Every owner or operator of an existing fuel combustion emission source so petitioning the Board for approval of an emission standard shall follow the applicable procedures described in 35 Ill. Adm. Code, Subtitle A, Chapter I.
- b) Any emission standard so approved shall be included as a condition in operating permits issued pursuant to 35 Ill. Adm. Code 201. Any owner or operator of a fuel combustion emission source who receives Board approval of such an emission standard shall apply to the Agency within 30 days ~~after~~ approval of ~~that~~ such standard for a revision of its operating permit for ~~the~~ such source.
- c) No owner or operator of an existing fuel combustion emission source shall seek ~~such an alternate emission rate under this Section, exemption or comply with an alternate emission rate granted under this Section, the emission standard so granted~~ by the use of dispersion enhancement techniques referred to in Section 214.202.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART K: PROCESS EMISSION SOURCES

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Section 214.300 Scope

Subpart K contains general rules for sulfur emissions from process sources. These may be modified by industry and site specific rules in other Subparts of this Part ~~et seq.~~ Subpart K also contains sulfur content limitations for fuel oil used by process emission sources. These sulfur content limitations apply regardless of industry and site specific rules set forth in other Subparts of this Part.

(Source: Amended at 39 Ill. Reg. _____, effective _____)

Section 214.305 Fuel Sulfur Content Limitations

- a) Except as provided in subsections (b), (c), and (d), on and after January 1, 2017, the owner or operator of a process emission source must comply with the following:
- 1) The sulfur content of all residual fuel oil used by the process emission source must not exceed 1000 ppm;
 - 2) The sulfur content of all distillate fuel oil used by the process emission source must not exceed 15 ppm; and
 - 3) The owner or operator must:
 - A) Maintain records demonstrating that the fuel oil used by the process emission source complies with the requirements in subsections (a)(1) and (a)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - B) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - C) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (a). At minimum, and in addition to any permitting obligations, such notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

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- b) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to distillate fuel oil used by "TC-F/TC-L/TCL Wing 5" and "TC-F/TC-L Alternative" at Caterpillar Technical Center (located at or near 1311 E. Cedar Hills Dr., Mossville IL) for purposes of research and development or testing of equipment intended for sale outside of Illinois. This exemption is limited to a combined total of 150,000 gallons of distillate fuel oil per calendar year. The sulfur content of the fuel oil must not exceed 500 ppm. The owner or operator of the process emission sources described in this subsection must also comply with the following:
- 1) Maintain records indicating the amount of distillate fuel oil used by the process emission sources each calendar year for purposes of research and development or testing of equipment for sale outside of Illinois, as well as records demonstrating that the fuel oil complies with the requirements in this subsection (b), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - 2) Retain the records for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - 3) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (b). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- c) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to existing process emission sources at Caterpillar's Montgomery facility (located at or near 325 South Route 31, Montgomery IL). The owner or operator of these process emission sources must instead comply with the following:
- 1) On and after January 1, 2016:
 - A) The sulfur content of all distillate fuel oil purchased for use by the process emission sources must not exceed 15 ppm; and
 - B) The sulfur content of all distillate fuel oil used by the process emission sources must not exceed 500 ppm;
 - 2) The owner or operator must:

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- A) Maintain records demonstrating that the distillate fuel oil purchased on and after January 1, 2016, for use by the process emission sources, complies with the requirements in subsection (c)(1)(A), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used on and after January 1, 2016, by the process emission sources, complies with the requirements in subsection (c)(1)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - C) Retain all records required by this subsection (c) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - D) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (c). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.
- d) The sulfur content limitation for distillate fuel oil in subsection (a)(2) does not apply to existing electric generating units at Midwest Generation's Fisk station (located at or near 1111 W. Cermak Road, Chicago IL) or Waukegan station (located at or near 401 E. Greenwood Avenue, Waukegan IL). The owner or operator of these electric generating units must instead comply with the following:
- 1) From January 1, 2016 through December 31, 2018, the sulfur content of all distillate fuel oil purchased for use by these electric generating units must not exceed 15 ppm;
 - 2) From January 1, 2017 through December 31, 2018, the sulfur content of all distillate fuel oil used by these electric generating units must not exceed 500 ppm;

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- 3) On and after January 1, 2019, the sulfur content of all distillate fuel oil used by these electric generating units must not exceed 15 ppm;
- 4) The owner or operator must:
 - A) Maintain records demonstrating that the distillate fuel oil purchased from January 1, 2016 through December 31, 2018, for use by the electric generating units, complies with the requirements in subsection (d)(1), such as records from the fuel supplier indicating the sulfur content of the fuel oil, and maintain records indicating the date of purchase of the fuel oil;
 - B) Maintain records demonstrating that the distillate fuel oil used from January 1, 2017 through December 31, 2018, by the electric generating units, complies with the requirements in subsection (d)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - C) On and after January 1, 2019, maintain records demonstrating that the distillate fuel oil used by the electric generating units complies with the requirements in subsection (d)(3), such as records from the fuel supplier indicating the sulfur content of the fuel oil;
 - D) Retain all records required by this subsection (d) for at least 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency; and
 - E) Notify the Agency within 30 days after discovery of deviations from any of the requirements in this subsection (d). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

(Source: Added at 39 Ill. Reg. _____, effective _____)

SUBPART Q: PRIMARY AND SECONDARY
METAL MANUFACTURING

Section 214.421 Combination of Fuels at Steel Mills in Metropolitan Areas

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- a) Section 214.162 notwithstanding, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any existing fuel combustion emission source at a steel mill located in the Chicago or St. Louis (Illinois) major metropolitan area burning any solid, liquid or gaseous fuel, or any combination thereof, to exceed the allowable emission rate determined by the following equation:

$$E = S_S H_S + S_d H_d + S_R H_R + S_G H_G$$

- b) Symbols in the equation mean the following:

E	=	allowable sulfur dioxide emission rate;
S _S	=	solid fuel sulfur dioxide emission standard which is applicable;
S _d	=	distillate oil sulfur dioxide emission standard determined from the table in subsection (d);
S _R	=	residual oil sulfur dioxide emission standard which is applicable;
S _G	=	maximum by-product gas sulfur dioxide emissions which would result if the applicable by-product gas which was burned had been burned alone at any time during the 12 months preceding the latest operation, on or before March 28, 1983, of an emission source using any by-product gas;
H _S	=	actual heat input from solid fuel;
H _d	=	actual heat input from distillate fuel oil;
H _R	=	actual heat input from residual fuel oil;
H _G	=	actual heat input from by-product gases, such as those produced from a blast furnace.

- c) That portion of the actual heat input that is derived:

- 1) From the burning of gaseous fuels produced by the gasification of solid fuels shall be included in H_S;
- 2) From the burning of gaseous fuels produced by the gasification of distillate fuel oil shall be included in H_d;
- 3) From the burning of gaseous fuels produced by the gasification of residual fuel oil shall be included in H_R; and
- 4) From the burning of gaseous fuels produced by the gasification of any

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other liquid fuel shall be included in H_G.

- d) Metric or English units may be used in the equation of subsection (a) as follows:

<u>Parameter</u>	<u>Metric</u>	<u>English</u>
E	kg/hr	lbs/hr
S _S , S _R , S _G	kg/MW-hr	lbs/mmBtu
S _d prior to January 1, 2017	0.46 kg/MW-hr	0.3 lbs/mmBtu
<u>S_d on and after January 1, 2017</u>	<u>0.0023 kg/MW-hr</u>	<u>0.0015 lb/mmBtu</u>
H _S , H _d , H _R , H _G	MW	mmBtu

(Source: Amended at 39 Ill. Reg. _____, effective _____)

SUBPART AA: REQUIREMENTS FOR CERTAIN SO₂ SOURCES

Section 214.600 Definitions

For purposes of this Subpart, the following definitions apply. Unless a different meaning for a term is clear from its context, all terms not defined in this Section have the meanings given to them in the Illinois Environmental Protection Act and in 35 Ill. Adm. Code 201 and 211.

"Agency" means the Illinois Environmental Protection Agency.

"Aventine Renewable Energy" means the ethanol production source located at or near 1300 S. 2nd Street, Pekin IL.

"Illinois Power Resources Generating E.D. Edwards" means the electrical power generation source located at or near 7800 S. Cilco Lane, Bartonville IL.

"Ingredion Bedford Park" means the corn wet milling source located at or near 6400 S. Archer Road, Bedford Park IL.

"Midwest Generation Joliet" means the electrical power generation source located at or near 1800 Channahon Road, Joliet IL.

"Midwest Generation Powerton" means the electrical power generation source located at or near 13082 E. Manito Road, Pekin IL.

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"Midwest Generation Will County" means the electrical power generation source located at or near 529 E. 135th, Romeoville IL.

"Owens Corning" means the asphalt and roofing products manufacturing source located at or near 5824 S. Archer Road, Summit IL.

"Oxbow Midwest Calcining" means the petroleum coke product source located at or near 12308 S. New Avenue, Lemont IL.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.601 Applicability

- a) This Subpart applies to the following sources:
- 1) Aventine Renewable Energy;
 - 2) Illinois Power Resources Generating E.D. Edwards;
 - 3) Ingredion Bedford Park;
 - 4) Midwest Generation Joliet;
 - 5) Midwest Generation Powerton;
 - 6) Midwest Generation Will County;
 - 7) Owens Corning; and
 - 8) Oxbow Midwest Calcining.
- b) Once a source is subject to this Subpart, it is always subject to this Subpart, regardless of change in ownership or unit designation, or any other modification at the source.
- c) Nothing in this Subpart relieves a source of the obligation to comply with the air quality standards set forth in 35 Ill. Adm. Code 243, or with any other applicable requirement set forth in this Part.

(Source: Added at 39 Ill. Reg. _____, effective _____)

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Section 214.602 Compliance Deadline

On and after January 1, 2017, the owner or operator of a source identified in Section 214.601(a) must comply with the provisions in this Subpart.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.603 Emission Limitations

The owner or operator of a source must comply with the following emission limitations, as applicable, expressed in terms of pounds of SO₂ emitted per clock hour.

a)	<u>Aventine Renewable Energy</u>	<u>lb/hr</u>
1)	<u>Cyclone East controlling First Germ Drying System</u>	<u>0.27</u>
2)	<u>Cyclone West controlling First Germ Drying System</u>	<u>0.37</u>
3)	<u>Second Germ Drying System</u>	<u>0.01</u>
4)	<u>Gluten Dryer 4</u>	<u>3.12</u>
5)	<u>Gluten Dryer 9</u>	<u>10.50</u>
6)	<u>Germ Dryer 1</u>	<u>4.98</u>
7)	<u>Germ Dryer 3</u>	<u>4.26</u>
8)	<u>Yeast Dryer</u>	<u>1.50</u>
9)	<u>Scrubber controlling Steep Acid Tower</u>	<u>1.79</u>
10)	<u>Biogas Flare</u>	<u>0.001</u>
11)	<u>Boiler A</u>	<u>0.00</u>

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12)	<u>Boiler B</u>	<u>0.00</u>
13)	<u>Boiler C</u>	<u>0.00</u>
b)	<u>Illinois Power Resources Generating E.D. Edwards</u>	<u>lb/hr</u>
1)	<u>Units 1 and 2 combined</u>	<u>2100.00</u>
2)	<u>Unit 3</u>	<u>2756.00</u>
3)	<u>Unit 3, if both Units 1 and 2 permanently shut down</u>	<u>4000.00</u>
c)	<u>Ingredion Bedford Park</u>	<u>lb/hr</u>
1)	<u>Feed Transport System</u>	<u>24.38</u>
2)	<u>Wet Milling: Inside In-Process Tanks</u>	<u>107.26</u>
3)	<u>Wet Milling: Molten Sulfur Burner and Absorption System</u>	<u>7.01</u>
4)	<u>Wet Milling: Outside In-Process Tanks</u>	<u>2.69</u>
5)	<u>Germ Processing Facility Channel 1 System</u>	<u>13.36</u>
6)	<u>Germ Processing Facility Channel 2 System</u>	<u>7.07</u>
7)	<u>Germ Processing Facility Channel 3 System</u>	<u>7.07</u>
8)	<u>Germ Processing Facility Channel 4 System</u>	<u>7.07</u>
d)	<u>Midwest Generation Joliet</u>	<u>lb/hr</u>

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|----|---|----------------|
| 1) | <u>Joliet 9: Unit 6</u> | <u>189.82</u> |
| 2) | <u>Joliet 29: Unit 7</u> | <u>323.29</u> |
| 3) | <u>Joliet 29: Unit 8</u> | <u>342.15</u> |
| e) | <u>Midwest Generation Powerton</u> | <u>lb/hr</u> |
| 1) | <u>Boilers 51, 52 (Unit 5) and 61, 62 (Unit 6) combined</u> | <u>3452.00</u> |
| 2) | <u>The owner or operator must comply with the emission limitation set forth in subsection (e)(1) on a 30-operating day rolling average basis. For purposes of this Subpart, an operating day is a calendar day in which any emission unit addressed in subsection (e)(1) combusts any fuel;</u> | |
| 3) | <u>Within 24 hours after the end of each averaging period, the owner or operator must use the following equation to determine the combined SO₂ emission rate of the emission units addressed in subsection (e)(1) for each averaging period, which concludes at the end of each operating day. The SO₂ emission rate must not exceed the limitation set forth in subsection (e)(1):</u> | |

$$E_{avg} = \frac{\sum_{h=1}^n E_h}{n}$$

Where:

E_{avg} = SO₂ emission rate for the averaging period, in lb/hr.

E_h = SO₂ emission rate for stack operating hour "h" in the averaging period. For purposes of this Subpart, a stack operating hour is a clock hour in which valid data is obtained, and in which gases flow through the monitored stack or duct for the emission units addressed in subsection (e)(1) (either for part of the hour or for the entire hour) while at least one of the units is combusting fuel.

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n = Number of stack operating hours in the averaging period in which valid data is obtained.

- 4) The SO₂ emission rate for the emission units addressed in subsection (e)(1) must not exceed 6,000 lb/hr in more than 5% of the stack operating hours ("n" in the equation in subsection (e)(3)) in any averaging period.

f)	<u>Midwest Generation Will County</u>	<u>lb/hr</u>
	1) <u>Unit 3</u>	<u>145.14</u>
	2) <u>Unit 4</u>	<u>5000.00</u>
g)	<u>Owens Corning</u>	<u>lb/hr</u>
	1) <u>Preheater Incinerator System 1, including emissions from: Storage Tanks 9, 9A, 10, 10A, 11, 17, 18, 19, 20, 40, 41, 42, and 43; Loading Racks 1, 2, and 9; and Convertors 10 and 11</u>	<u>44.69</u>
	2) <u>Preheater Incinerator System 3, including emissions from: Converters 8, 9, 12, 13, 14, and 15; and Loading Racks 1, 2, and 9</u>	<u>27.23</u>
	3) <u>Regenerative Thermal Oxidizer 3 controlling: Storage Tanks 27, 28, 31, 32, 33, 34, 35, and 36</u>	<u>4.33</u>
	4) <u>Regenerative Thermal Oxidizer 4 controlling: Storage Tank 98; Loading Rack PV1</u>	<u>6.38</u>
	5) <u>Coating Operations combined</u>	<u>0.15</u>
h)	<u>Oxbow Midwest Calcining</u>	<u>lb/hr</u>
	<u>All Calcining Units combined</u>	<u>187.00</u>

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(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.604 Monitoring and Testing

- a) The owner or operator of a source must, for each emission unit at the source that is addressed in Section 214.603, demonstrate compliance with the applicable emission limitations in Section 214.603 via the monitoring and testing requirements set forth in this Section.

- b) The owners or operators of the following sources must, for each emission unit at the source that is addressed in Section 214.603, install, calibrate, maintain, and operate a continuous emissions monitoring system for the measurement of SO₂ emissions in accordance with 40 CFR 75 (except 40 CFR 75.31 through 34), incorporated by reference in Section 214.104, and subsection (d), or utilize an alternative monitoring method available to the emission unit under 40 CFR 75:
 - 1) Illinois Power Resources Generating E.D. Edwards;
 - 2) Midwest Generation Joliet;
 - 3) Midwest Generation Powerton; and
 - 4) Midwest Generation Will County.

- c) The owner or operator of all sources not addressed in subsection (b) must, for each emission unit at the source that is addressed in Section 214.603, either conduct performance testing in accordance with subsection (e) or install, calibrate, maintain, and operate a continuous emissions monitoring system for the measurement of SO₂ emissions in accordance with 40 CFR 60 or 40 CFR 75 (except 40 CFR 75.31 through 34), incorporated by reference in Section 214.104, and subsection (d) of this Section.

- d) The owner or operator of a source with an emission unit demonstrating compliance through the use of a continuous emissions monitoring system must comply with the following for each unit:
 - 1) If two or more of the emission units addressed in Section 214.603 are served by a common stack, the owner or operator may utilize a single continuous emissions monitoring system for those units;

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- 2) If the owner or operator of an emission unit subject to Section 214.604(c) changes the method of demonstrating compliance for that unit from performance testing to use of a continuous emissions monitoring system, the owner or operator must install, calibrate, and begin operating the continuous emissions monitoring system on or before the performance testing deadline determined in accordance with subsection (e)(2); and
 - 3) The provisions in 40 CFR 75.31 through 34 regarding missing data substitution must not be used for purposes of demonstrating compliance with the requirements set forth in this Subpart.
- e) The owner or operator of a source with an emission unit demonstrating compliance through performance testing must comply with the following for each unit. All testing done pursuant to this Section must be conducted at the owner's or operator's own expense:
- 1) Conduct an initial performance test after January 1, 2015 and prior to January 1, 2017. If the owner or operator of an emission unit subject to Section 214.604(c) changes the method of demonstrating compliance for that unit from use of a continuous emissions monitoring system to performance testing, the owner or operator must demonstrate compliance by conducting an initial performance test prior to discontinuing the continuous emissions monitoring system;
 - 2) Conduct subsequent performance tests at least once every 5 years from the date of the last performance test. The date of the initial performance test conducted pursuant to subsection (e)(1) begins the 5-year period;
 - 3) Conduct additional performance testing when, in the opinion of the Agency or USEPA, that testing is necessary to demonstrate compliance with the requirements in Section 214.603. The test must be conducted within 90 days after receipt of a notice to test from the Agency or USEPA, unless the notice specifies an alternative testing deadline;
 - 4) Submit a testing protocol as described in USEPA's Emission Measurement Center Guideline Document (GD-042), incorporated by reference in Section 214.104, to the Agency at least 45 days prior to a scheduled emissions test, unless that deadline is waived in writing by the Agency;

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- 5) Submit a written notification of a scheduled emissions test to the Agency at least 30 days prior to the test date and again 5 days prior to testing, unless those deadlines are waived in writing by the Agency. If, after the 30 days' notice of a test is sent, there is a delay in conducting the test as scheduled (e.g., due to operational problems), the owner or operator must notify the Agency as soon as practicable of the delay, either by providing at least 7 days' notice of the rescheduled test date or by arranging a new test date with the Agency by mutual agreement;
- 6) Conduct each performance test using Method 1, 2, 3, 4, 6, 6A, 6B, 6C, or 19, incorporated by reference in Section 214.104, or other alternative USEPA methods approved by the Agency. Each test must consist of at least 3 separate runs, each lasting a minimum of 60 minutes, and must be conducted during conditions representative of maximum SO₂ emissions. Compliance with the applicable limitation in Section 214.603 must be determined in accordance with 35 Ill. Adm. Code 283;
- 7) If the unit has combusted more than one type of fuel in the prior year, a separate performance test is required for each fuel; and
- 8) Subsequent to each performance test used to demonstrate compliance, continue operating the emission unit within the parameters enumerated in the testing results submitted to the Agency for each test, and monitor the parameters regularly to ensure ongoing compliance.

(Source: Added at 39 Ill. Reg. _____, effective _____)

Section 214.605 Recordkeeping and Reporting

- a) By January 1, 2017, the owner or operator of a source must submit to the Agency the following:
 - 1) A certification that the source will be in compliance with the provisions in this Subpart by January 1, 2017;
 - 2) For a source with an emission unit demonstrating compliance through performance testing:
 - A) The results of the initial performance test conducted pursuant to Section 214.604(e)(1);

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- B) The calculations necessary to demonstrate that the emission unit will be in initial compliance; and
 - C) A description of the measures the source will take to ensure the emission unit continues to operate within the parameters enumerated in the testing results submitted to the Agency for each test used to demonstrate compliance, including how those parameters will ensure ongoing compliance with the applicable limitation in Section 214.603 and the specific monitoring procedures that will be implemented for each parameter;
- 3) For a source with an emission unit demonstrating compliance through the use of a continuous emissions monitoring system, a certification of the installation and operation of the continuous emissions monitoring system and the monitoring data necessary to demonstrate that the emission unit will be in initial compliance;
 - 4) For a source with an emission unit demonstrating compliance through the use of an alternative monitoring method under 40 CFR 75, a description of the alternative monitoring method being used and the monitoring data necessary to demonstrate that the emission unit will be in initial compliance; and
 - 5) A description of the method or methods the source will use to comply with all applicable emission limitations in Section 214.603, including a description of all control devices used and, for sources with emission units demonstrating compliance through performance testing, the operating parameters for those devices.
- b) The owner or operator of a source must keep and maintain records that demonstrate ongoing compliance with the requirements of this Subpart. The records must include the following:
- 1) The calendar date of the record;
 - 2) Reports for all performance tests conducted pursuant to Section 214.604(e), including the date of the test and the results;

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- 3) A log of the date, time, nature, and results of all parametric monitoring conducted pursuant to Section 214.604(e)(8);
 - 4) For each SO₂ continuous emissions monitoring system, a log indicating any periods when the device was not in service, maintenance and inspection activities performed on the device, and all information necessary to demonstrate compliance with the monitoring requirements in Section 214.604;
 - 5) The date, time, and duration of any malfunction in the operation of an emission unit addressed in Section 214.603 or any SO₂ control equipment for that unit, if the malfunction causes an exceedance of any applicable emission limitation in Section 214.603, and the date, time, and duration of any malfunction in the operation of any SO₂ emissions monitoring equipment for that unit. The records must include a description of the malfunction, the probable cause of the malfunction, the date and nature of the corrective action taken, and any preventative action taken to avoid future malfunctions;
 - 6) A log of all inspections, cleaning, maintenance, and repair activities performed on SO₂ control equipment for an emission unit addressed in Section 214.603, including the date and nature of those activities. The log must indicate any changes made to the control equipment, including removal or replacement of the equipment; and
 - 7) For emission units subject to the emission limitation in Section 214.603(e), the SO₂ emission rate of the units for each averaging period and supporting calculations.
- c) Except as otherwise indicated in this Subpart, the owner or operator of a source with an emission unit demonstrating compliance through performance testing must submit the results of all tests conducted pursuant to Section 214.604(e) within 60 days after completion of the test.
- d) The owner or operator of a source must notify the Agency at least 30 days prior to changing the method of demonstrating compliance for an emission unit addressed in Section 214.603. The owner or operator must also comply with the following, as applicable:

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- 1) For an emission unit changing the method of demonstrating compliance from performance testing to use of a continuous emissions monitoring system, submit to the Agency a certification of the installation and operation of the continuous emissions monitoring system and the monitoring data necessary to demonstrate compliance. The submittal must be made within 30 days after beginning operation of the continuous emissions monitoring system, and on or before the performance testing deadline determined in accordance with Section 214.604(e)(2);
 - 2) For an emission unit changing the method of demonstrating compliance from use of a continuous emissions monitoring system to performance testing, submit to the Agency the following. The submittal must be made prior to discontinuing operation of the continuous emissions monitoring system:
 - A) The results of the initial performance test conducted pursuant to Section 214.604(e)(1);
 - B) The calculations necessary to demonstrate compliance; and
 - C) A description of the measures the source will take to ensure the emission unit continues to operate within the parameters enumerated in the testing results submitted to the Agency for each test used to demonstrate compliance, including how the parameters will ensure ongoing compliance with the applicable limitation in Section 214.603 and the specific monitoring procedures that will be implemented for each parameter;
 - 3) For an emission unit changing the method of demonstrating compliance from use of a continuous emissions monitoring system to an alternative monitoring method under 40 CFR 75, submit to the Agency a description of the alternative monitoring method being used and the monitoring data necessary to demonstrate compliance. The submittal must be made prior to discontinuing operation of the continuous emissions monitoring system.
- e) The owner or operator of a source must notify the Agency within 30 days after discovery of deviations from any of the requirements in this Subpart or any exceedance of an applicable emission limitation in Section 214.603. At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations or exceedances, a discussion of the

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possible cause of the deviations or exceedances, any corrective actions taken, and any preventative measures taken.

- f) The owner or operator of a source must maintain all records required by this Section at the source for a minimum of 5 years, and provide copies of the records to the Agency within 30 days after receipt of a request by the Agency.

(Source: Added at 39 Ill. Reg. _____, effective _____)