## ARTICLE 7. SULFUR DIOXIDE RULES

## Rule 1.1. Sulfur Dioxide Emission Limitations

### 326 IAC 7-1.1-1 Applicability

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-3-12
Affected: IC 13-15; IC 13-17

Sec. 1. All emissions units with a potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide shall comply with the following:

(1) The limitations in section 2 of this rule.

(2) The compliance test methods in 326 IAC 7-2.

(3) The sulfur dioxide emission limitations and other requirements under 326 IAC 2, 326 IAC 7-4, 326 IAC 7-4.1, and 326 IAC 12.

*(Air Pollution Control Board; 326 IAC 7-1.1-1; filed Aug 28, 1990, 4:50 p.m.: 14 IR 52; filed Apr 22, 1997, 2:00 p.m.: 20 IR 2368; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1600; filed May 25, 2005, 10:50 a.m.: 28 IR 2953)*

**326 IAC 7-1.1-2 Sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-3-12
Affected: IC 13-15; IC 13-17

Sec. 2. (a) Sulfur dioxide emissions from fuel combustion emissions units shall be limited as follows, unless specified otherwise in 326 IAC 7-4, 326 IAC 7-4.1, or in a construction permit issued under 326 IAC 2:

(1) Six and zero-tenths (6.0) pounds per million British thermal units (MMBtu) for coal combustion.

(2) One and six-tenths (1.6) pounds per MMBtu for residual oil combustion.

(3) Five-tenths (0.5) pound per MMBtu for distillate oil combustion.

(b) For emissions units combusting coal and oil simultaneously, the sulfur dioxide emission limitation shall be six and zero-tenths (6.0) pounds per MMBtu. For emissions units combusting oil and any fuel other than coal simultaneously, the sulfur dioxide emission limitation shall be the limitation specified in subsection (a)(2) or (a)(3), depending on the type of oil combusted. For the purposes of this subsection, simultaneous combustion of coal and oil shall include those periods of startup, shutdown, and flame stabilization required under normal operations. *(Air Pollution Control Board; 326 IAC 7-1.1-2; filed Aug 28, 1990, 4:50 p.m.: 14 IR 52; filed Apr 22, 1997, 2:00 p.m.: 20 IR 2369; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1600; filed May 25, 2005, 10:50 a.m.: 28 IR 2953)*

## Rule 2. Compliance

**326 IAC 7-2-1 Reporting requirements; methods to determine compliance**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-14-8; IC 13-15; IC 13-17

Sec. 1. (a) As used in this article, "weighting factor" means the daily quantity of coal bunkered or megawatt generation or other appropriate measure of the output of a combustion source.

(b) As used in this article, "rolling weighted average sulfur dioxide emission rate" means the summation of the average sulfur dioxide emission rate times the daily weighting factor divided by the summation of the weighting factors.

(c) Owners or operators of sources or emissions units subject to 326 IAC 7-1.1, 326 IAC 7-4, or 326 IAC 7-4.1 shall submit to the commissioner the following reports based on fuel sampling and analysis data obtained in accordance with procedures specified under 326 IAC 3-7:

(1) Fuel combustion sources with total coal-fired heat input capacity greater than or equal to one thousand five hundred (1,500) million British thermal units (MMBtu) per hour shall submit quarterly reports of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per MMBtu. Records of the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per MMBtu shall be submitted to the department in the quarterly report and maintained by the source owner or operator for a period of at least two (2) years.

(2) Fuel combustion sources with total coal-fired heat input capacity greater than one hundred (100) and less than one thousand five hundred (1,500) MMBtu per hour shall submit quarterly reports of the calendar month average coal sulfur content, coal heat content, and sulfur dioxide emission rate in pounds per MMBtu and the total monthly coal consumption.

(3) All other fuel combustion sources shall submit reports of calendar month average sulfur content, heat content, fuel consumption, and sulfur dioxide emission rate in pounds per MMBtu upon request.

(d) Compliance or noncompliance with the emission limitations contained in 326 IAC 7-1.1, 326 IAC 7-4, or 326 IAC 7-4.1 may be determined by a stack test conducted in accordance with 326 IAC 3-6 utilizing procedures outlined in 40 CFR 60, Appendix A, Method 6*, 6A*, 6C*, or 8*.

(e) Fuel sampling and analysis data shall be collected pursuant to the procedures specified in 326 IAC 3-7-2 or 326 IAC 3-7-3

for coal combustion or 326 IAC 3-7-4 for oil combustion, and these data may be used to determine compliance or noncompliance with the emission limitations contained in 326 IAC 7-1.1, 326 IAC 7-4, or 326 IAC 7-4.1. Computation of calculated sulfur dioxide emission rates from fuel sampling and analysis data shall be based on the emission factors contained in U.S. EPA publication AP-42* unless other emission factors based on site-specific sulfur dioxide measurements are approved by the commissioner and the U.S. EPA. Fuel sampling and analysis data shall be collected as follows:

(1) For coal-fired fuel combustion sources with heat input capacity greater than or equal to one thousand five hundred (1,500) MMBtu per hour, compliance or noncompliance shall be determined using a thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per MMBtu unless a shorter averaging time or alternate averaging methodology is specified for a source under this article.

(2) For all other combustion sources, compliance or noncompliance shall be determined using a calendar month average sulfur dioxide emission rate in pounds per MMBtu unless a shorter averaging time or alternate averaging methodology is specified for a source under this article.

(f) A determination of noncompliance under either the method specified in subsection (d) or (e) shall not be refuted by evidence of compliance under the other method.

(g) Upon written notification of an emissions unit owner or operator to the department, continuous emission monitoring data collected and reported under 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in this article. Upon such notification, the other requirements of this rule shall not apply.

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 7-2-1; filed Aug 28, 1990, 4:50 p.m.: 14 IR 52; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2078; errata filed Feb 9, 1999, 4:06 p.m.: 22 IR 2006; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; errata filed Nov 7, 2001, 3:00 p.m.: 25 IR 813; errata filed Dec 12, 2002, 3:30 p.m.: 26 IR 1565; filed Aug 26, 2004, 11:30 a.m.: 28 IR 42; filed May 25, 2005, 10:50 a.m.: 28 IR 2953)*

## Rule 3. Ambient Monitoring

### 7-3-2 Ambient monitoring

(a) All fuel combustion sources with total plant capacity of greater than five hundred (500) million Btu heat input shall install properly located continuous air quality and meteorological monitors. The commissioner shall not require greater numbers of such monitors than is necessary to determine that source's contribution to the ambient sulfur dioxide concentration. The commissioner shall be provided with continuous hourly data on all collected ambient air quality and meteorological data on a quarterly basis from said monitors. Such data shall be reported in the storage and retrieval of aerometric data (SAROAD) format no later than ninety (90) days after the end of the calendar quarter. Quality assurance tests, to insure proper monitor operation, shall be conducted in accordance with procedures established by the board.

(b) If the owner or operator of a source subject to the requirements of subsection (a) of this section, demonstrates to the commissioner's satisfaction that any or all of said requirements are not necessary to achieve the purposes of this rule (326 IAC 7-1 [recodified to various rules in 326 IAC 7]), the requirements for that source may be modified or removed completely by the board.

**Rule 4. Emission Limitations and Requirements by County**

**326 IAC 7-4-2 Marion County sulfur dioxide emission limitations**

**Authority: IC 13-14-8; IC 13-17-3-4**
**Affected: IC 13-12; IC 13-14-4-3; IC 13-16-1**

Sec. 2. The following sources and facilities located in Marion County shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs MMBtu) and pounds per hour (lbs/hr), unless otherwise specified, and other requirements:

| Source | Facility Description | Emission Limitations lbs./MMBtu | lbs./hr. |
|---|---|---|---|
| (1) Acustar | Boiler 1 | 2.82 | 109.98 |
| | Boiler 2 | 2.82 | 109.98 |
| | Boiler 3 | 2.82 | 109.98 |
| (2) Allison Gas Turbine-Plant 5 | Boiler 1 | 3.99 | 299.4 |
| | Boiler 2 | 3.99 | 299.4 |
| | Boiler 3 | 3.99 | 299.4 |
| | Boiler 4 | 3.99 | 299.4 |
| (3) Amtrak | Boilers 61 and 62 | 3.30 | 208.15 |
| (4) Bridgeport Brass | Boiler 1 | 3.55 | 135.8 |
| | Boiler 2 | 3.55 | 135.8 |
| | Boiler 3 | 3.55 | 135.8 |
| (5) Central Soya | Boiler | 4.32 | 272.0 |
| (6) Central State | Boiler 3 | 3.39 | 111.8 |
| | Boiler 7 | 3.39 | 169.5 |
| | Boiler 8 | 3.39 | 169.5 |
| (7) Citizens Gas | Batteries E & H (each) | 0.79 pounds per ton | 31.16 |
| | Battery 1 | 0.23 pounds per ton | 15.70 |
| (8) Detroit Diesel Allison-Plant 3 | Boiler 1 | 1.88 | 67.6 |
| | Boiler 2 | 1.88 | 67.6 |
| | Boiler 3 | 1.88 | 90.2 |
| | Boiler 4 | 1.88 | 135.2 |
| | Boiler 5 | 1.88 | 180.3 |
| (9) Diamond Bathurst | #2 Furnace | 1.40 pounds per ton | 20.22 |
| (10) Ford | Boiler 1 | 2.43 | 177.38 |
| | Boiler 2 | 2.43 | 354.77 |
| | Boiler 3 | 2.43 | 354.77 |
| (11) Fort Harrison | Boiler 1 | 2.92 | 151.84 |
| | Boiler 2 | 2.92 | 151.84 |
| | Boiler 3 | 2.92 | 151.84 |
| | Boiler 4 | 2.92 | 151.84 |
| (12) G.M. Truck & Bus Group | Boiler 1 | 2.31 | 187.1 |
| | Boiler 2 | 2.31 | 187.1 |
| | Boiler 3 | 2.31 | 106.3 |
| (13) Indiana Girls School | Boiler | 6.00 | 46.9 |
| (14) IPL-Perry W | Boiler 17 | 6.0 | 1,320.0 |
| | Boiler 18 | 6.0 | 1,320.0 |
| (15) Indianapolis Sludge Incinerator | Incinerator 1 | 2.0 pounds per ton | 14.19 |
| | Incinerator 2 | 2.0 pounds per ton | 14.19 |
| | Incinerator 3 | 2.0 pounds per ton | 14.19 |
| | Incinerator 4 | 2.0 pounds per ton | 14.19 |
| | Incinerator 5 | 2.0 pounds per ton | 14.19 |
| | Incinerator 6 | 2.0 pounds per ton | 14.19 |
| | Incinerator 7 | 2.0 pounds per ton | 14.19 |
| | Incinerator 8 | 2.0 pounds per ton | 14.19 |
| (16) Marathon Petroleum-Indiana Refining Division | H-H1 | 1.92 | 36.46 |
| | H-H2 | 1.92 | 36.46 |
| | H-H3 | 1.92 | 38.38 |
| | P-H1 | 1.92 | 89.03 |
| | P-H2 | 1.92 | 82.12 |
| | P-H3 | 1.92 | 30.32 |

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|---|---|---|---|
| | P-H4 | 1.92 | 33.19 |
| | P-H5 | 1.92 | 9.98 |
| | Alky Reboiler | 1.92 | 53.15 |
| | Crude Heater | 1.92 | 268.05 |
| | Vacuum Heater | 1.92 | 99.20 |
| | Sulfur Recovery | 189.0 pounds per ton sulfur | 88.17 |
| | FCC (Proc) | 3.92 pounds per ton | 506.37 |
| | CO Boiler | 1.92 | 228.72 |
| | FCC Chg. Htr. | 1.92 | 88.26 |
| | GH-1 | 1.92 | 81.36 |
| (17) Navistar | Boiler 1 | 2.98 | 193.72 |
| | Boiler 2 | 2.98 | 193.72 |
| | Boiler 3 | 2.98 | 193.72 |
| (18) Quaker Oats | Boiler 1 | 2.79 | 195.3 |
| | Boiler 2 | 2.79 | 195.3 |
| | Murray Boiler | 0.50 | 50.1 |
| (19) Quemetco | Reverberatory Furnace | 24.6 pounds per ton | 617.0 |
| (20) Refined Metals | Blast Furnace | 10.8 pounds per ton | 64.8 |
| (21) Reilly Industries | 2722 W | 1.25 | 114.75 |
| | 2726 S | 1.25 | 49.1 |
| | 186 N | 1.25 | 46.0 |
| | 2707 V | 1.25 | 20.0 |
| | 112 E | 0.0** | 0.0** |
| | 2710 P | 0.0** | 0.0** |
| | Riley | 1.25 | 64.75 |
| | B & W | 1.25 | 49.1 |
| | 2724 W | 1.25 | 26.3 |
| | 2714 V | 1.25 | 18.8 |
| | 2729 Q | 1.25 | 3.8 |
| | 2740 Q | 1.25 | 7.5 |
| | 732714 | 1.25 | 45.0 |
| | 2728 S | 1.25 | 7.5 |
| | Still | 0.0** | 0.0** |
| | Kettle | 0.0** | 0.0** |
| | 2607 T | 0.0** | 0.0** |
| | 702611 | 0.0** | 0.0** |
| | 722804 | 0.0** | 0.0** |
| | 2706 Q | 0.0** | 0.0** |
| | 2713 W | 0.0** | 0.0** |
| | 2714 W | 0.0** | 0.0** |
| | 2720 W | 0.0** | 0.0** |
| (22) Rexnord-Link Belt Bearing | Boiler A | 3.28 | 101.7 |
| | Boiler B | 3.28 | 101.7 |
| | Boiler C | 0.0* | 0.0* |
| (23) Rexnord-Link Belt Chain | Boiler 1 | 3.68 | 117.8 |
| | Boiler 2 | 3.68 | 117.8 |
| | Boiler 3 | 3.68 | 117.8 |
| (24) Thomson Consumer Electronics | Boiler 1 | 1.95 | 39.0 |
| | Boiler 2 | 1.95 | 39.0 |
| | Boiler 3 | 1.95 | 146.3 |
| | Boiler 4 | 1.95 | 146.3 |

| | | | |
|---|---|---|---|
| (25) Union Carbide | Boiler 1 | 3.85 | 92.4 |
| | Boiler 2 | 3.85 | 106.6 |
| | Boiler 3 | 3.85 | 148.2 |
| (26) Western Select Properties | Boiler 2 | 2.52 | 189.06 |
| | Boiler 3 | 2.52 | 189.06 |
| | Boiler 4 | 2.52 | 189.06 |
| | Boiler 5 | 2.52 | 252.07 |
| (27) Wishard | Boiler 1 | 4.04 | 105.0 |
| | Boiler 2 | 4.04 | 105.0 |
| | Boiler 3 | 4.04 | 105.0 |

**Less than 0.05

(28) Allison Gas Turbine Operations Plant 8 shall comply with the sulfur dioxide emission limitations provided in clause (A) or (B) and other requirements as follows:

(A) Boilers 2 through 11 may burn natural gas at any time.

(B) Babcock and Wilcox Boilers 2 through 6 and Combustion Engineering Boilers 7 through 11 may burn fuel oil with a sulfur dioxide emission limitation of two and one-tenth (2.1) ~~pounds per million Btu~~ **lbs/MMBtu** each during periods when one (1) of the following conditions is met:

(i) Fuel oil is burned in no more than three (3) Babcock and Wilcox boilers, and fuel oil is not burned in any combustion engineering boiler.

(ii) Fuel oil is burned in no more than two (2) Babcock and Wilcox boilers and no more than two (2) combustion engineering boilers.

(iii) Fuel oil is burned in no more than one (1) Babcock and Wilcox boiler and no more than three (3) combustion engineering boilers.

(C) A log of hourly operational status and fuel type for each boiler shall be maintained at the plant and made available to the department upon request. A daily summary of operating status and fuel type for each boiler for each day of a calendar quarter shall be submitted to the department on a quarterly basis.

(D) Allison Gas Turbine Operations Plant 8 shall erect a twenty (20) foot stack extension with a diameter at the extension outlet of four (4) feet for each stack serving Boilers 2 ~~3, 4, 5,~~ ~~and~~ **through** 6 in accordance with the following schedule:

(i) Complete design, specifications, and construction drawings and award contracts by August 2, 1988.

(ii) Complete installation of stack extensions by December 2, 1988.

(29) Indianapolis Power and Light Perry K shall comply with the sulfur dioxide emission limitations in ~~pounds per million Btu~~ **lbs/MMBtu** and other requirements as follows:

| Boiler Number | Emission Limitations |
|---|---|
| (A) 17 and 18 | 0.3 |
| (B) 11, 12, 13, 14, 15, and 16 | 2.1 |

(C) As an alternative to the emission limitations in clause (B), sulfur dioxide emissions from Boilers 11, 12, 13, 14, 15, and 16 may comply with any one (1) of the sets of emission limitations in ~~pounds per million Btu~~ **lbs/MMBtu** as follows:

| Boiler Number | | Emission Limitations |
|---|---|---|
| (i) | 13, 14, 15, and 16 | 0.0 |
| | 11 and 12 | 4.4 |
| (ii) | 11, 12, 15, and 16 | 0.0 |
| | 13 and 14 | 4.4 |
| (iii) | 11, 12, 13, and 14 | 0.0 |
| | 15 and 16 | 4.4 |
| (iv) | 11, 12, 15, and 16 | 3.0 |
| | 13 and 14 | 0.3 |
| (v) | 11 and 12 | 0.3 |
| | 13, 14, 15, and 16 | 3.0 |

(D) The department or the Indianapolis Air Pollution Control Division shall be notified prior to the reliance by Indianapolis Power and Light on any one (1) of the sets of alternative emission limitations specified in clause (C).

(E) A log of hourly operating status for each boiler shall be maintained and made available to the department upon request. A daily summary indicating which boilers were in service during the day shall be submitted to the department quarterly. In addition, records of the daily average sulfur content, heat content, and sulfur dioxide emission rate for each day in which an alternative set of emission limitations specified in clause (C) is used shall be submitted to the department quarterly.

(F) For the purposes of 326 IAC 7-2-1(c)(1), during thirty (30) day periods in which Indianapolis Power and Light relies on more than one (1) set of emission limitations specified in clauses (B) through (C), a separate thirty (30) day rolling weighted average for each set of limitations shall be determined. Each thirty (30) day rolling weighted average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limitations. If Indianapolis Power and Light does not operate thirty (30) days under any one (1) set of limitations within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limitations.

(G) Boilers 11 through 16 shall be limited to six and zero-tenths (6.0) ~~pounds per million Btu~~ **lbs/MMBtu** each until Boilers 11 through 16 achieve compliance with the sulfur dioxide emission limitations specified in clauses (B) through (C). Compliance with the emission limitations specified in clauses (B) through (C) shall be achieved according to the following schedule:

(i) Complete engineering analysis of modifications by April 2, 1988.

(ii) Complete testing and design of modifications and place orders for necessary equipment by May 2, 1989.

(iii) Complete installation of necessary equipment and achieve compliance with emission limitations specified in clauses (B) through (C) by June 2, 1990.

(30) Indianapolis Power and Light Stout shall comply with the sulfur dioxide emission limitations in ~~pounds per million Btu~~ **lbs/MMBtu** and other requirements as follows:

| Boiler/Turbine Number | | Emission Limitations |
|---|---|---|
| (A) | Boiler 70 | 5.3 |
| (B) | Boilers 50 and 60 | 4.7 |
| | Boilers 1 through 8 | 0.0 |
| | Boilers 9 and 10 and Gas Turbines 1, 2, and 3 | 0.35 |

(C) As an alternative to the emission limitations in clause (B), sulfur dioxide emissions from Boilers 50, 60, and 1 through 10 and Gas Turbines 1, 2, and 3 may comply with any one (1) of the sets of emission limitations in ~~pounds per million Btu~~ **lbs/MMBtu** as follows:

| Boiler/Turbine Number | | Emission Limitations |
|---|---|---|
| (i) | Boilers 50 and 60 | 5.2 |
| | Boilers 1 through 10 and Gas Turbines 1, 2, and 3 | 0.0 |
| (ii) | Boilers 50 and 60 | 5.0 |
| | Boilers 1 through 10 | 0.0 |
| | Gas Turbines 1, 2, and 3 | 0.4 |
| (iii) | Boilers 50 and 60 | 4.1 |
| | Boilers 1 through 8 | 0.26 |
| | Boilers 9 and 10 | 0.35 |
| | Gas Turbines 1, 2, and 3 | 0.3 |
| (iv) | Boilers 50 and 60 | 3.9 |
| | Boilers 1 through 8 | 0.34 |
| | Boilers 9 and 10 and Gas Turbines 1, 2, and 3 | 0.35 |

(D) The department or the Indianapolis Air Pollution Control Division shall be notified prior to the reliance by Indianapolis Power and Light on any one (1) of the sets of alternative emission limitations specified in clause (C).

(E) A log of hourly operating status for each boiler shall be maintained and made available to the department upon request. A daily summary indicating which boilers were in service during the day shall be submitted to the department quarterly. In addition, records of the daily average sulfur content, heat content, and sulfur dioxide emission rate for each day in which an alternative set of emission limitations specified in clause (C) is used shall be submitted to the department quarterly.

(F) For the purposes of 326 IAC 7-2-1(c)(1), during thirty (30) day periods in which Indianapolis Power and Light relies on more than one (1) set of emission limitations specified in clauses (B) through (C), a separate thirty (30) day rolling weighted average for each set of limitations shall be determined. Each thirty (30) day rolling weighted average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limitations. If Indianapolis Power and Light does not operate thirty (30) days under any one (1) set of limitations within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limitations.

(G) Indianapolis Power and Light shall install a stack diameter restriction for the stack serving Boilers 50 and 60. The stack diameter restriction shall reduce the diameter to six and one-half (6½) feet at the tip of the stack. The installation of the stack diameter restriction shall be in accordance with the following schedule:

(i) Complete preliminary design of modifications by December 2, 1988.

(ii) Place orders for necessary modification by July 2, 1989.

(iii) Complete installation by February 2, 1990.

~~(31) National Starch and Chemical shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs./MMBtu) and pounds per hour (lbs. hr.) and other requirements as follows:~~

| ~~Boiler Number~~ | ~~Emission Limitations lbs. MMBtu~~ | ~~lbs. hr.~~ |
|---|---|---|
| ~~(A) 1, 2, 3, and 5~~ | ~~3.71~~ | ~~1,510.8~~ |

~~(B) National Starch and Chemical shall combine the gas effluents from Boilers 1, 2, 3, and 5 into a newly constructed stack with a release point of one hundred seventy-one (171) feet above grade and a stack diameter at the outlet of eight and one-half (8 ½) feet. The new stack shall be constructed according to the following schedule:~~

~~(i) Complete design of necessary equipment by August 2, 1988.~~

~~(ii) Purchase and receive delivery of equipment for necessary modifications by June 2, 1989.~~

~~(iii) Complete installation of new stack by June 2, 1990. National Starch and Chemical shall not operate its Boilers 1, 2, 3, and 5 after June 2, 1990, for production unless the exhaust from such boilers is discharged through a single stack having a release height of one hundred seventy-one (171) feet above grade and an outlet diameter of eight and five-tenths (8.5) feet.~~

*(Air Pollution Control Board; 326 IAC 7-4-2; filed Aug 28, 1990, 4:50 p.m.: 14 IR 65; filed Feb 9, 1999, 4:22 p.m.: 22 IR 1959)*

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**326 IAC 7-4-3 Vigo County sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4
Affected: IC 13-12; IC 13-14-4-3; IC 13-16-1

Sec. 3. The following sources and facilities located in Vigo County shall comply with the sulfur dioxide emission limitations in pounds per million Btu, unless otherwise specified, and other requirements:

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) Alcan Rolled Products Co. | Sol Oil Boiler | 0.51 |
| | Foil Mill Boiler | 0.51 |
| | Oil Farm Boiler | 0.51 |
| | #2 Melter | 1.60 |
| | #3 Melter | 1.60 |
| | #4 Melter | 1.60 |

| | | |
|---|---|---|
| | #5 Melter | 1.60 |
| | #6 Melter | 1.60 |
| | #7 Melter | 1.60 |
| | #53 Annealing Furnaces | 1.60 |
| (2) Bemis | Boiler | 0.51 |
| (3) CBS | #1 WH CB200-200 | 0.51 |
| | #2 WH CB200-200 | 0.51 |
| | #1 HC CB293-100 | 0.51 |
| | #2 HC CB M & W 4000 | 0.51 |
| | #3 HC CB M & W 4000 | 0.51 |
| | #1 BP Springfield | 0.51 |
| (4) CF Industries | Process Murray Boiler 1 | 0.52 |
| | Process Murray Boilers 2 and 3 | 0.52 |
| (5) Digital Audio Disc | #1 Kewanee Boiler | 0.36 |
| | #2 Kewanee Boiler | 0.36 |
| (6) Doxsee Foods Corp. | Boiler | 2.62 |
| (7) General Housewares | Boiler 1A Ladd | 6.00 |
| | Boiler 2A Combustion Eng. | 6.00 |
| | #5 Enamel Furnace Radiant Tube | 0.51 |
| | #6 Enamel Furnace Muffle | 0.51 |
| (8) Hercules, Inc. | Murray Iron Works Boiler A | 0.51 |
| | Murray Iron Works Boiler B | 0.51 |
| | Clayton Boiler (Standby) | 0.51 |
| | Nebraska Boiler | 0.51 |
| (9) Indiana State University | #2 Voight Boiler | 5.64 |
| | #3 Voight Boiler | 5.64 |
| | #5 B & W Boiler | 5.64 |
| | #4 Murray Boiler | 0.37 |
| (10) J.I. Case | No. 1 Riley Boiler | 4.74 |
| | No. 2 Riley Boiler | 4.74 |
| (11) Pfizer | Boiler 8 | 3.01 |
| (12) Pillsbury (Terre Haute) | Boiler B | 0.36 |
| | Boiler C | 2.62 |
| | Boiler D | 0.36 |
| (13) Pitman-Moore | #9, #10, and #15 Boilers | 4.58 |
| | #16 Boiler | 0.36 |
| | East Plant Boiler | 0.36 |
| (14) Public Service Indiana Wabash River | Boilers 1, 2, 3, 4, 5, and 6 | 4.04 |
| (15) Rose-Hulman | #1 Voight Boiler | 2.26 |
| | #2 Cleaver Brooks Boiler | 0.51 |
| | #4 Cleaver Brooks Boiler | 0.51 |
| (16) St. Mary's Sisters of Providence | #2 Voight Boiler | 3.84 |
| | #3 B & N Boiler | 3.84 |
| | #5 B & N Boiler | 3.84 |
| | #7 Voight Boiler | 3.84 |
| | #8 Voight Boiler | 3.84 |
| (17) Snacktime Company | #1 Boiler | 0.52 |
| | #12 Boiler | 0.52 |
| | #2, #3, #4, and #6 Fryer Oil Heaters | 0.52 |
| (18) Terre Haute Coke and Carbon | 2 CB Boilers | 1.79 |

| | | |
|---|---|---|
| | 2 Standby Boilers | 4.55 |
| | No. 1 CB Underfire Stack | 0.63 |
| | No. 2 CB Underfire Stack | 0.63 |
| (19) Terre Haute Regional Hospital | #1 Boiler | 0.45 |
| | (New) #2 Boiler | 0.45 |
| (20) Union Hospital Energy Co. | 2 Keeler Boilers | 0.36 |
| | 3 Cleaver Brooks Boilers | 0.36 |
| (21) U.S. Penitentiary | #1, #2, and #3 Boilers | 0.51 |
| | 2 Honor Farm Boilers | 0.51 |
| (22) Wabash Fibre Box | Cleaver Brooks Boiler | 2.36 |
| (23) Wabash Products Co. | Boiler | natural gas only |
| (24) Western Tar | Tar Division, Boiler A | 0.36 |
| | Tar Division, Boiler B | 0.36 |
| | Wood Division, Boiler A | 0.36 |
| | Wood Division, Boiler B | 0.36 |
| | Tar Division, Process Still | 0.36 |
| (25) Weston Paper | B-1 and B-4 Boilers | 4.09 |
| | B-5 Warehouse Boiler | 2.62 |

*(Air Pollution Control Board; 326 IAC 7-4-3; filed Aug 28, 1990, 4:50 p.m.: 14 IR 70; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Aug 31, 2004, 2:30 p.m.: 28 IR 117)*

7-4-4 Wayne County sulfur dioxide emission limitations

The following sources and facilities shall comply with the emission limitations specified below:

[Note: For simplicity and conformance with current State rules, the limits are provided in tabular form, with limits expressed in pounds per million Btu or pounds per hour. The approved rule used a more textual format.]

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) Belden Corp. | Boilers 3,4,5,6 (oil) (common stack) | 1.6 |
| (2) Earlham College | Boilers 1 & 2 (oil/gas) (common stack) | 1.6 |
| (3) Johns-Manville Co. | Boiler B-2 (oil/gas) | 1.6 |
| | Glass Furnaces SX-2,SX-3 (common stack) | 9 lbs./ton |
| (4) Joseph Hill (Plant A) | Boilers 1,2,4 (oil) (common stack) | 1.6 |
| | Boiler 3 (oil) | 1.6 |
| (5) Joseph Hill (Plant B) | Boilers 1,2,3 (oil/gas) (common stack) | 0.3 |
| (6) Kemper | Boiler 1 (coal) | 2.3 |
| | Boiler 2 (wood/coal) | 2.1 |
| | Boiler 3 (wood/sawdust) | 1.2 |
| (7) NATCO | Boiler 1 (coal) | 4.9 |
| (8) Ralston Purina Co. | Boilers 1 & 2 (oil/gas) common stack) | 1.6 |
| (9) Richmond Power and Light (RP&L) | Boilers 1 and 2 (coal) (common stack) | 6.0 |
| (10) Richmond State Hospital | Boilers 1,2,3,4 (coal) (common stack) | 6.0 |
| (11) Sanyo E&E | Boiler 1 (coal) | 4.9 |
| | Boiler 2 (coal) | 4.9 |
| (12) Wallace Metals | Boiler 1 (oil/gas) | 1.6 |

(b) RP&L shall construct a new good engineering practice stack with height of at least three hundred twenty-five (325) feet above grade by July 31, 1988.

(c) The following sources and facilities shall comply with additional emission limitations listed in subdivisions (1) through (3) of this section. Compliance shall be tested based on the annual average sulfur content of the fuel over any twelve (12) consecutive month period.

(1) Kemper Boiler Numbers 1 and 2 shall be limited to 1.3 lbs./MMBtu, and Boiler 3 also shall be limited to 1.2 lbs./MMBtu;

(2) NATCO Boiler 1 also shall be limited to 3.7 lbs./MMBtu; and

(3) Sanyo E&E Boiler Numbers 1 and 2 shall be limited to 3.9 lbs./MMBtu.

7-4-5 LaPorte County sulfur dioxide emission limitations

The following sources and facilities shall comply with the emission limitations specified below:

[Note: For simplicity and conformance with current State rules, the limits are provided in tabular form, with limits expressed in pounds per million Btu or pounds per hour. The approved rule used a more textual format.]

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) Indiana State Prison | 3 Coal Boilers | 5.12 |
| | 1 Oil Boiler | 1.60 |
| (2) Westville Correctional Center | 3 Coal Boilers | 6.00 |
| (3) Allis Chalmers | 3 Oil Boilers | 1.60 |
| (4) Northern Indiana Public Service Company (NIPSCo) Michigan City Plant | Unit 12 | 6.0 |
| | Units 4, 5, and 6: If only one (1) unit is in operation | 2.2 |
| | If two (2) units are in operation | 1.11 each |
| | If three (3) units are in operation | 0.74 each |

(D) A log of hourly operating status for Units 4, 5, and 6 shall be maintained and made available to the department upon request. A summary indicating which boilers were in service each day of a calendar quarter shall be submitted on a quarterly basis. In addition, records of the daily average sulfur content and sulfur dioxide emission rate for each day in which more than one of Units #4, 5, and 6 were in operation shall be submitted quarterly.

(E) Compliance with the emission limitations specified in 326 IAC 7-1-12(a)(4) shall be achieved on or before June 1, 1988. Until compliance with 326 IAC 7-1-12(a)(4) is achieved, the NIPSCo Michigan City Plant shall comply with the sulfur dioxide emission limitations specified in the applicable operation permits.

7-4-6 Jefferson County sulfur dioxide emission limitations

Sec 13. The following sources and facilities shall comply with the emission limitations specified below:

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) IKEC–Clifty Creek | Boilers 1, 2, and 3 | 7.52 |
| | Boilers 4, 5, and 6 | 7.52 |
| (2) Madison State Hospital | Boilers 1, 2, and 3 | 6.0 |

7-4-7 Sullivan County sulfur dioxide emission limitations

Sec 14. The following sources and facilities shall comply with the emission limitations specified below:

[Note: For simplicity and conformance with current State rules, the limits are provided in tabular form, with limits expressed in pounds per million Btu or pounds per hour. The approved rule used a more textual format.]

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) IMEC-Breed | Boiler | 9.57 |
| (2) Hoosier | Boiler 1 | 1.2* |
| Energy-Merom | Boiler 2 | 1.2* |
| | Subject to New Source Performance Standards in applicable construction permit. | |

7-4-8 Vermillion County sulfur dioxide emission limitations

The following sources and facilities shall comply with the emission limitations specified below:

| Source | Facility Description | Emission Limitations |
|---|---|---|
| (1) Public Service Indiana Cayuga (PSI) | Boiler 1 | 4.84 |
| | Boiler 2 | 4.40 |

(A) Sulfur dioxide emissions shall be limited to 5.83 lbs./MMBtu prior to December 31, 1988. On or before December 31, 1988, sulfur dioxide emissions shall be limited to 4.84 lbs./MMBtu.

(B) On or before March, 1989, sulfur dioxide emissions shall be limited to 4.40 lbs./MMBtu. Upon certification by PSI to the commissioner that the Universal Mine cannot assure a long term supply of compliance coal, final compliance with the 4.40 lbs./MMBtu sulfur dioxide emission limitation may be extended until December 31, 1989. The commissioner shall notify the U.S. EPA upon receipt of such a certification by PSI.

(C) PSI may at any time petition the commissioner for a 4.48 lbs./MMBtu final sulfur dioxide emission limitation. The petition must include evidence that such a limitation will protect the sulfur dioxide ambient air quality standards on all land not fenced or otherwise effectively restricted from public access. If the commissioner approves such a petition, the department shall amend the operation permit according to procedures specified in 326 IAC 2 and submit the revised permit to U.S. EPA.

| | | |
|---|---|---|
| (2) Newport Army Ammunition | Boilers 103A, 103B, 103C, and 7700D | 1.6 each |
| (3) Eli Lilly Clinton Laboratories | Boiler C31-1 | 4.72 |
| | Boiler C21-4, C21-1, C21-2, and C21-3 | 0.36 each |

7-4-9 Floyd County sulfur dioxide emission limitations

After august 31, 1988, sulfur dioxide emissions from the Public Service Indiana (PSI) Gallagher Plant Units 1, 2, 3, and 4 shall be limited to 4.7 lbs./MMBtu. On or before August 31, 1988, sulfur dioxide emissions from the PSI Gallagher plant Units 1, 2, 3 and 4 shall be limited to 6.0 lbs./MMBtu.

**TITLE 326 AIR POLLUTION CONTROL BOARD**

**Final Rule**
LSA Document #07-309(F)

DIGEST

Adds 326 IAC 6-7 (particulate matter emission limitations), amends 326 IAC 7-4-10 (sulfur dioxide emission limitations), and adds 326 IAC 10-6 (nitrogen oxides emission limitations) concerning F. B. Culley Generating Station in Newburgh, Indiana. Effective 30 days after filing with the Publisher.

**HISTORY**

First Notice: June 20, 2007, Indiana Register (DIN: 20070620-IR-326070309FNA).
Second Notice: December 12, 2007, Indiana Register (DIN: 20071212-IR-326070309SNA).
Notice of First Hearing: December 12, 2007, Indiana Register (DIN: 20071212-IR-326070309PHA).
Date of First Hearing: March 5, 2008.
Proposed Rule: March 26, 2008, Indiana Register (DIN: 20080326-IR-326070309PRA).
Notice of Second Hearing: March 26, 2008, Indiana Register (DIN: 20080326-IR-326070309PHA).
Date of Second Hearing: May 7, 2008.

**326 IAC 6-7; 326 IAC 7-4-10; 326 IAC 10-6**

SECTION 2. 326 IAC 7-4-10 IS AMENDED TO READ AS FOLLOWS:

**326 IAC 7-4-10 Warrick County sulfur dioxide emission limitations**

**Authority: IC 13-14-8; IC 13-17-3**
**Affected: IC 13-15; IC 13-17; IC 13-22**

Sec. 10. (a) The following sources and facilities located in Warrick County shall comply with the sulfur dioxide emission limitations in pounds per million Btu, unless otherwise specified, and other requirements:

(1) Southern Indiana Gas and Electric Company (SIGECO)

| Facility Description | Emission Limitations |
|---|---|
| (A) Culley Units 1, 2, and 3 ~~Prior to December 31, 1989~~ | ~~6.0 each~~ |
| Beginning December 31, 1989 | 5.41 each |
| Beginning August 1, 1991 (Units 1 and 2 only) | 2.79 each |

(B) As an alternative to the emission limitations specified in clause (A), beginning August 1, 1991, sulfur dioxide emissions from Culley Units 1 and 2 shall be limited ~~in pounds per million Btu~~ as follows:

| Facility Description | Emission Limitations |
|---|---|
| Unit 1 | 0.0006 |
| Unit 2 | 4.40 |

(C) SIGECO shall notify the department and the U.S. EPA via certified mail at least fourteen (14) days prior to its intention to rely on the set of limits in clause (B) or to switch between sets of limits listed in clauses (A) ~~through~~ **and** (B).

(D) For the purposes of ~~326 IAC 7-2-1(e)(1),~~ **326 IAC 7-2-1(e)(1),** during thirty (30) day periods in which SIGECO relies on more than one (1) set of limits contained in clauses (A) ~~through~~ **and** (B), a separate thirty (30) day rolling weighted average for each set of limits shall be determined. Each thirty (30) day rolling weighted average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limits. If SIGECO does not operate thirty (30) days under any one (1) set of limits within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limits.

**(E) Units 2 and 3 shall maintain a thirty (30) day rolling average sulfur dioxide ($SO_2$) removal efficiency of at least ninety-five percent (95%) using continuous emissions monitoring system (CEMS) data from both the inlet and outlet of the control device determined in accordance with 40 CFR 75*. A thirty (30) day rolling average sulfur dioxide ($SO_2$) removal efficiency means the percent reduction in the mass of a pollutant achieved by a unit's pollution control device over a thirty (30) day period using the thirty (30) day rolling average emission rate. A thirty (30) day rolling average emission rate shall be determined by calculating an arithmetic average of all hourly emission rates in lb/MMBtu for the current day and the previous twenty-nine (29) operating days. A new thirty (30) day rolling average emission rate shall be calculated for each new operating day. Each thirty (30) day rolling average emission rate shall include all startup, shutdown, and malfunction periods within an operating day.**

**(F) SIGECO shall continuously operate the flue gas desulfurization system (FGD) serving Units 2 and 3 at all times the units are in operation. Following startup of the units, SIGECO need not operate the FGD until either unit is fired with any coal. In the event of a planned FGD outage, SIGECO may continue to operate Unit 2, but shall burn down the coal existing in the Unit 2 bunker to the extent practicable, and, prior to shutting down the FGD, load compliance coal into the bunker for use until such time as the FGD resumes operation. In the event of an unplanned FGD outage, SIGECO shall feed compliance coal to the Unit 2 bunker until such time as the FGD resumes operation. Compliance coal is defined as two (2.0) lb/MMBtu $SO_2$, as demonstrated by a four (4) hour composite sample of the feed stock.**

(2) Aluminum Company of America (ALCOA) Warrick Power Plant

| Facility Description | Emission Limitations |
|---|---|
| Units 1, 2, 3, and 4 ~~Prior to December 31, 1989~~ | ~~6.0 each~~ |
| ~~Beginning December 31, 1989~~ | ~~5.41 each~~ |
| ~~Beginning August 1, 1991~~ | 5.11 each |

Unit 4 is jointly owned by ALCOA and SIGECO

~~(3) ALCOA Warrick Power Plant and SIGECO Culley Plant~~

~~(A) As an alternative to the emission limitations specified in subdivisions (1) through (2) and upon fulfilling the requirements of clause (B), sulfur dioxide emissions from the Warrick and Culley Plants shall be limited to one (1) of the sets of limitations in pounds per million Btu specified as follows:~~

| ~~Source~~ | ~~Facility Description~~ | ~~Emission Limitations~~ |
|---|---|---|
| ~~(i) Warrick Plant SIGECO Culley~~ | ~~Units 1–4~~ | ~~5.4 per stack~~ |
| | ~~Unit 1~~ | ~~2.0~~ |
| | ~~Unit 2~~ | ~~2.0~~ |

| | | |
|---|---|---|
| | ~~Unit 3~~ | ~~5.4~~ |
| ~~(ii) Warrick Plant SIGECO Culley~~ | ~~Units 1–4~~ | ~~5.4 per stack~~ |
| | ~~Unit 1~~ | ~~0.0006~~ |
| | ~~Unit 2~~ | ~~3.2~~ |
| | ~~Unit 3~~ | ~~5.4~~ |
| ~~(iii) Warrick Plant SIGECO Culley~~ | ~~Units 1–4~~ | ~~5.4 per stack~~ |
| | ~~Unit 1~~ | ~~5.4~~ |
| | ~~Unit 2~~ | ~~0.0006~~ |
| | ~~Unit 3~~ | ~~5.4~~ |

~~(B) SIGECO and ALCOA shall jointly provide notification via certified mail to the department and to the U.S. EPA prior to December 1, 1989, of their intention to begin permanent reliance on one (1) of the sets of limitations specified in clause (A). The written notification shall contain written evidence of a notarized agreement between SIGECO and ALCOA concerning the applicable set of limitations. Beginning December 31, 1989, sulfur dioxide emissions from each unit shall be limited to five and four tenths (5.4) pounds per million Btu. Beginning August 1, 1991, SIGECO shall achieve compliance with the applicable emission limitation for each unit with a final emission limitation of three and two tenths (3.2) pounds per million Btu or less.~~

~~(4)~~ **(3)** ALCOA-Warrick Smelter Operations shall comply with the sulfur dioxide emission limitations in pounds per hour, unless otherwise specified, and other requirements as follows:

| Facility Description | Emission Limitations |
|---|---|
| (A) Potline 1: | |
| All stacks associated with scrubber | 176.3 |
| Roof monitors associated with Potline 1 | 19.6 |
| (B) Potline 2: | |
| All stacks associated with scrubber | 195.2 |
| Roof monitors associated with Potline 2 | 21.7 |
| (C) Potline 3: | |
| All vents or stacks associated with scrubber | 195.2 |
| Roof monitors associated with Potline 3 | 21.7 |
| (D) Potline 4: | |
| All vents associated with scrubber | 195.2 |
| Roof monitors associated with Potline 4 | 21.7 |
| (E) Potline 5: | |
| All stacks associated with scrubber | 195.2 |
| Roof monitors associated with Potline 5 | 21.7 |
| (F) Potline 6: | |
| All stacks associated with scrubber | 195.2 |
| Roof monitors associated with Potline 6 | 21.7 |
| (G) Potlines 1, 2, 3, 4, 5, and 6 | 5,608 tons per year total |
| (H) Anode Bake Ring Furnace | 94.1 (412 tons per year) |

Any sulfur dioxide emission limitation established in a permit issued in conformance with the prevention of significant deterioration rules under 326 IAC 2-2 or 40 CFR 52*, if more stringent, shall supersede the requirements in this subdivision.

(b) Compliance with the pounds per hour limitations specified in subsection (a)(4) shall be based on a stack test ~~pursuant to 326 IAC 7-2-1(b).~~ **under 326 IAC 7-2-1(d).**

(c) Compliance with the tons per year limitations specified in subsection (a)(4) shall be based on a rolling twelve (12) consecutive month emission total. Monthly sulfur dioxide emissions shall be determined from calendar month material balances using actual average sulfur content and material throughput. Quarterly reports shall be submitted to the department containing the calendar month and rolling twelve (12) month sulfur dioxide emissions from the smelter operations (potline scrubber stacks, roof monitors, and anode bake ring furnace). The report shall:

**(1)** include documentation of the data and methodology used to calculate the monthly sulfur dioxide emissions; and ~~shall~~

**(2)** be submitted by the end of the month following the end of the quarter.

~~*This document is~~ ***These documents are** incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.

*(Air Pollution Control Board; 326 IAC 7-4-10; filed Aug 28, 1990, 4:50 p.m.: 14 IR 75; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; errata filed Dec 12, 2002, 3:35 p.m.: 26 IR 1568; filed Aug 26, 2004, 11:30 a.m.: 28 IR 43; filed Jul 31, 2008, 4:00 p.m.: 20080827-IR-326070309FRA)*

*LSA Document #07-309(F)*
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An html version of this document.

7-4-11 Morgan County sulfur dioxide emission limitations
Indianapolis Power and Light (IPL) Pritchard Generating Station shall comply with the requirements specified below:

[Note: For simplicity and conformance with current State rules, the first set of limits are provided in tabular form, with limits expressed in pounds per million Btu or pounds per hour. The approved rule used a more textual format.]

| Facility Description | Emission Limitations |
|---|---|
| (1) Units 1 and 2 | 0.37 each |
| (2) Units 3, 4, 5, and 6 on and before September 30, 1990 | 6.0 each |
| Unit 3 after September 30, 1990 | 0.37 |
| Units 4, 5, and 6 after September 30, 1990 | 3.04 each |

(3) As an exception to the emission limitations specified in subdivision (2), after September 30, 1990, at any time in which IPL burns coal on Unit 3, sulfur dioxide emissions from Units 3, 4, 5, and 6 shall be limited to 2.57 lbs./MMBtu each.
(4) Prior to October 31, 1989, IPL shall modify the two (2) stacks serving Units 3, 4, 5, and 6 to increase the height of each stack to at least 281 feet above grade.
(5) Prior to February 28, 1989, IPL shall submit completed engineering plans and drawings of flue gas conditioning systems for Units 4 and 5 to the Department of Environmental Management. Prior to May 31, 1990, IPL shall complete installation of flue gas conditioning systems for Units 4 and 5.
(6) After September 30, 1990, on a day for which Unit 3 does not burn any coal, the limitations in subdivision (2) are in effect, and compliance shall be determined as specified in 326 IAC 7-1-3(c) [now 7-2-1(c)].
(7) After September 30, 1990, on a day for which Unit 3 burns any coal, the limitations in subdivision (3) are in effect. As an exception to the requirements of 326 IAC 7-1-3(c)(1) [now 7-2-1(c)(1)] on a day for which Unit 3 burns any coal, if the 30-day rolling weighted average for any unit is above 2.57 lbs./MMBtu, then 326 IAC 7-2-1(c)(1) does not apply, and the daily average emission rate for that unit for that day shall not exceed2.57) lbs./MMBtu.
(8) After September 30, 1990, for the purposes of determining compliance under 326 IAC 7-2-1(b), stack tests performed on Units 3, 4, 5, and 6 shall demonstrate compliance with the most stringent set of limits in effect at any time during the day prior to or during the test based on the Unit 3 operating status and fuel type as indicated by the log maintained pursuant to subdivision (9).
(9) After September 30, 1990, IPL shall maintain and make available to the department upon request a log of the operating status and fuel type used for Unit 3. In addition, in the quarterly report required by 326 IAC 7-1-3(a) [now 7-2-1(a)], IPL shall submit to the department a daily summary indicating fuel type for Unit 3, and, for days on which Unit 3 burned any coal and any 30-day rolling weighted average was greater than 2.57 lbs./MMBtu, IPL shall submit to the department the daily average sulfur content, heat content, and sulfur dioxide emission rate for Units 3, 4, 5, and 6.

**326 IAC 7-4-12.1 Gibson County sulfur dioxide emission limitations**

Authority: IC 13-1-1-4; IC 13-7-7
Affected: IC 13-1-1; IC 13-7

Sec. 12.1. (a) Prior to January 1, 1992, Public Service Indiana (PSI) Gibson Units 1, 2, 3, 4, and 5 shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs./MMBtu) and other requirements as follows:

| Facility Description | Emission Limitations |
|---|---|
| Units 1, 2, 3, and 4 | 5.1 |
| Unit 5 | |
| New source performance standard pursuant to 326 IAC 12 | 1.2 |
| Twenty-four (24) hour average | 1.10 |

(b) Beginning January 1, 1992, Public Service Indiana (PSI) Gibson Units 1, 2, 3, 4, and 5 shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs./MMBtu) and other requirements as provided under either subdivision (1) or (2) as follows:

(1)

| Facility Description | Emission Limitations |
|---|---|
| Units 1, 2, 3, and 4 | |
| Beginning January 1, 1992 | 3.57 |
| No later than December 31, 1993 | 3.13 |
| No later than December 31, 1995 | 2.7 |
| Unit 5 | |
| Beginning January 1, 1992 | |
| New source performance standard pursuant to 326 IAC 12 | 1.2 |
| Twenty-four (24) hour average | 1.10 |
| No later than December 31, 1995 | 1.10 |

(2)

| Facility Description | Emission Limitations |
|---|---|
| Units 1, 2, and 3 | |

| | |
|---|---|
| Beginning January 1, 1992 | 3.57 |
| No later than December 31, 1993 | 3.13 |
| No later than December 31, 1995 | 3.19 |

Unit 4

| | |
|---|---|
| Beginning January 1, 1992 | 3.57 |
| No later than December 31, 1993 | 3.13 |
| No later than December 31, 1995 | 0.60 |

In order to achieve compliance with the sixty-hundredths (0.60) pounds per million Btu emission limitation for Unit 4, PSI shall install and operate a flue gas desulfurization (FGD) system on Unit 4 as follows:

(A) Select architectural engineer for design of FGD system by July 1, 1992.

(B) Award contract for construction of FGD system and begin construction by July 1, 1993.

(C) Complete construction of FGD system by July 1, 1995.

(D) Begin operation of FGD system by December 31, 1995.

Unit 5

| | |
|---|---|
| Beginning January 1, 1992 | |
| New source performance standard pursuant to 326 IAC 12 | 1.2 |
| Twenty-four (24) hour average | 1.10 |
| No later than December 31, 1995 | 1.10 |

PSI shall indicate in a certified letter to the commissioner whether it intends to comply with the emission limitations and other requirements under either subdivision (1) or (2) by December 31, 1991.

(c) Notwithstanding PSI's decision to comply as provided under either subsection (b)(1) or (b)(2), PSI shall:

(1) secure contracts by July 1, 1991, for the purchase of low-sulfur coal sufficient to attain and maintain compliance with the applicable emission limitations contained in subsection (b)(1) or (b)(2);

(2) complete test coal burns and engineering studies by July 1, 1994, to determine the need for particulate control upgrades in order to meet the applicable emission limitations;

(3) complete particulate control upgrades, as necessary, by December 31, 1995;

(4) establish procedures and complete equipment installation, as appropriate, for coal blending on Units 1, 2, 3, and 4:

(A) by September 30, 1991, in order to meet the interim emission limitation of three and fifty-seven hundredths (3.57) pounds per million Btu by December 31, 1991; and

(B) by September 30, 1993, in order to meet the interim emission limitation of three and thirteen-hundredths (3.13) pounds per million Btu by December 31, 1993;

(5) turn over existing coal stockpile to eliminate higher sulfur coal by December 31, 1991; and

(6) construct or utilize effective physical barriers, prior to December 31, 1991, to restrict public access to areas of the PSI Gibson property for which modeled violations were predicted based on the emission limitation of three and fifty-seven hundredths (3.57) pounds per million Btu.

*(Air Pollution Control Board; 326 IAC 7-4-12.1; filed Nov 5, 1990, 11:53 a.m.: 14 IR 438; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477)*

**326 IAC 7-4-13 Dearborn County sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-3-12
Affected: IC 13-15; IC 13-17

Sec. 13. The following sources and facilities located in Dearborn County shall comply with the sulfur dioxide emission limitations in pounds per million Btu and other requirements:

| | Source | Facility Description | Emission Limitations |
|---|---|---|---|
| (1) | Indiana Michigan Power Tanners Creek Station, Source Identification No. 00002 | (A) Units 1, 2, and 3 | 1.2 each |
| | | (B) Unit 4 | 5.24 |
| (2) | Pernod Ricard USA, Seagram Lawrenceburg Distillery, Source Identification No. 00005 | Steam Boiler EU-96 | 1.92 |
| (3) | Anchor Glass Container Corporation, Source Identification No. 00007 | Furnaces 1 and 2 | 1.4 each |

*(Air Pollution Control Board; 326 IAC 7-4-13; filed Aug 28, 1990, 4:50 p.m.: 14 IR 77; filed Apr 18, 1995, 3:00 p.m.: 18 IR 2220; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Feb 14, 2005, 11:05 a.m.: 28 IR 2021)*

7-4-14 Porter County sulfur dioxide emission limitations

The following sources and facilities located in Porter County shall comply with the requirements specified below:

[Note: For simplicity and conformance with current State rules, the limits are provided in tabular form, with limits expressed in pounds per million Btu or pounds per hour. The approved rule used a more textual format.]

(1) Bethlehem Steel Burns Harbor Works:

(A) The following facilities shall burn natural gas only:

(i) BOF Shop FM Boiler.

(ii) 160 inch Plate Mill Continuous Hardening and Annealing Heat Treatment Furnace.

(iii) 160 inch Plate Mill Boilers No. 2 and 4.

(iv) Batch Annealing Furnaces (24).

(v) Continuous Heat Treat Line Preheat, Heating and Soaking, and Reheat.

(B) The following facilities shall comply with the sulfur dioxide emission limits and other requirements:

| | | Emission Limitations | |
|---|---|---|---|
| Facility | Description | lbs./MMBtu | lbs./hr. |
| (i) | Blast Furnace C Stoves | 0.83 | 545 |
| (ii) | Blast Furnace D Stoves | 0.83 | 545 |
| (iii) | Blast Furnace Flare | 0.07 | |
| (iv) | Sinter Plant Windbox | 1.0 pound per ton process material | 400 |
| (v) | No. 1 Coke Battery Underfire | 1.73 | 803 |
| (vi) | No. 2 Coke Battery Underfire | 1.96 | 911 |
| (vii) | Slab Mill Soaking Pits: | | |

(AA) No more than nine (9) of thirty-two (32) horizontally discharged soaking pits may be fired on coke oven gas at the same time with total sulfur dioxide emissions not to exceed four hundred eighty-two (482) lbs./hour.

(BB) The remaining twenty-three (23) of thirty-two (32) horizontally discharged soaking pits may burn blast furnace and/or natural gas with total sulfur dioxide emissions not to exceed twenty-four (24) lbs./hour.

(CC) The four vertically discharged soaking pits may burn blast furnace and/or natural gas with total sulfur dioxide emissions not to exceed 4 lbs./hour.

| | | | |
|---|---|---|---|
| (viii) | 160 inch Plate Mill Continuous Reheat Furnace No. 1 and Boiler No. 1 | 1.96 | 299 |
| (ix) | 160 inch Plate Mill Continuous Reheat Furnace No. 2 and Boiler No. 3 | 1.96 | 299 |
| (x) | 80 inch Hot Strip Mill Furnace No. 1, 2, and 3 | 1.96 | 79 each |
| (xi) | 110 inch Plate Mill Furnaces No. 1 and 2 | 1.96 | 441 |
| (xii) | 110 inch Plate Mill Normalizing Furnace | 1.07 | 88 |
| (xiii) | 160 inch Plate Mill I & O Furnaces No. 4 and 5 | 1.96 | 274 |
| (xiv) | 160 inch Plate Mill I & O Furnaces No. 6 and 7 | 1.96 | 274 |
| (xv) | 160 inch Plate Mill I & O Furnace No. 8 | 1.96 | 176 |
| (xvi) | Power Station Boiler No. 7 | 0.8 | 520 |
| (xvii) | Power Station Boilers No. 8, 9, 10, 11, and 12 | 1.45 | 2,798 |

(C) As an alternative to the sulfur dioxide emission limitations specified in clause (B), Bethlehem Steel shall comply with the sulfur dioxide emission limitations and other requirements as follows:

| | | Emission Limitations | |
|---|---|---|---|
| Facility | Description | lbs./MMBtu | lbs./hr. |
| (i) | Blast Furnace C Stoves | 0.76 | 498 |
| (ii) | Blast Furnace D Stoves | 0.75 | 498 |
| (iii) | Blast Furnace Flare | 0.07 | |
| (iv) | Sinter Plant Windbox | 1.0 pound per ton process material | 400 |
| (v) | No. 1 Coke Battery Underfire | 1.57 | 730 |
| (vi) | No. 2 Coke Battery Underfire | 1.78 | 828 |
| (vii) | Slab Mill Soaking Pits: | | |

(AA) No more than six (6) of thirty-two (32) horizontally discharged soaking pits may be fired on coke oven gas at the same time with total sulfur dioxide emissions not to exceed two hundred ninety-two (292) lbs./hour.

(BB) The remaining twenty-six (26) of thirty-two (32) horizontally discharged soaking pits may burn blast furnace and/or natural gas with total sulfur dioxide emissions not to exceed twenty-seven (27) lbs./hour.

(CC) The four verticially *[sic.]* discharged soaking pits may burn blast furnace and/or natural gas with total sulfur dioxide emissions not to exceed 4 lbs./hour.

| | | | |
|---|---|---|---|
| (viii) | 160 inch Plate Mill Continuous Reheat Furnace No. 1 and Boiler No. 1 | 1.78 | 293 |
| (ix) | 160 inch Plate Mill Continuous Reheat Furnace No. 2 and Boiler No. 3 | 1.78 | 292 |
| (x) | 80 inch Hot Strip Mill Furnace No. 1, 2, and 3 | 1.78 | 483 each |
| (xi) | 110 inch Plate Mill Furnaces No. 1 and 2 | 1.78 | 401 |
| (xii) | 110 inch Plate Mill Normalizing Furnace | 1.07 | 88 |
| (xiii) | 160 inch Plate Mill I & O Furnaces No. 4 and 5 | 1.78 | 249 |
| If 160 inch Plate Mill I & O Furnaces No. 6 and/or 7 are in operation on a fuel other than natural gas, Furnaces No. 4 and 5 shall not operate or shall burn natural gas only. | | | |
| (xiv) | 160 inch Plate Mill I & O Furnaces No. 6 and 7 | 1.78 | 249 |
| If 160 inch Plate Mill I & O Furnaces No. 4 and/or 5 are in operation on a fuel other than natural gas, Furnaces No. 6 and 7 shall not operate or shall burn natural gas only. | | | |
| (xv) | 160 inch Plate Mill I & O Furnace No. 8 | 1.78 | 160 |
| (xvi) | Power Station Boilers No. 7 | 0.8 | 520 |
| (xvii) | Power Station Boilers No. 8, 9, 10, 11, and 12 | 1.45 total | 2,500 total |

(xviii) Bethlehem Steel shall notify the department at least twenty-four (24) hours prior to reliance on the alternative set of limits specified in items (i) through (xvii). Bethlehem Steel shall maintain records of fuel type and operational status of facilities listed in items (xiii) and (xiv) and shall make the records available to the department upon request.

(xix) For the purposes of 326 IAC 7-1-3(c)(2) [now 7-2-1(c)(2)], compliance shall be determined based on separate calendar month averages for the set of requirements specified in this clause and for the set of requirements specified in clause (B).

(D) Coke oven gas usage at facilities other than the No. 1 and 2 Coke Battery Underfire Stacks shall be restricted to no more than seventy-five (75) million cubic feet per day.

Total sulfur dioxide emissions from the facilities listed in clause (B)(i) through (B)(iv), (B)(vii)(AA) through (B)(vii)(BB), (B)(viii) through (B)(xi), and (B)(xiii) through (B)(xvii) shall not exceed 4,429 lbs./hour. During periods in which the limits contained in clause (C) are in effect, coke oven gas usage at facilities other than the No. 1 and 2 Coke Battery Underfire Stacks shall be restricted to no more than seventy (70) million cubic feet per day, and total sulfur dioxide emissions from the facilities listed in clause (C)(i) through (C)(iv), (C)(vii)(AA) through (C)(vii)(BB), (C)(viii) through (C)(xi), and (C)(xiii) through (C)(xvii) shall not exceed 4,630 lbs./hour.

(E) Bethlehem Steel shall achieve compliance with the requirements specified in clause (B) or (C) prior to December 31, 1988. Thereafter, Bethlehem Steel shall submit a report to the department within thirty (30) days following the end of each calendar quarter containing the following information:

(i) Records of the total coke oven gas, blast furnace gas, fuel oil, and natural gas usage for each day at each facility listed in clauses (B) through (C).

(ii) Records of the average sulfur content and heating value as determined per the procedures specified in clause (F) for each fuel type used during the calendar quarter and of the maximum number of slab mill soaking pits burning coke oven gas at any given time during each day.

(iii) The calculated sulfur dioxide emission rate in the applicable emission units (lbs./hour, pounds per million Btu, and/or pounds per ton) for each facility for each day and the average sulfur dioxide emissions from the facilities listed in clause (C)(i) through (C)(iv), (C)(vii)(AA) through (C)(vii)(BB), (C)(viii) through (C)(xi), and (C)(xiii) through (C)(xvii) for each day in pounds per hour during the calendar quarter.

(F) Bethlehem Steel shall submit a sampling and analysis protocol to the department by December 31, 1988. The protocol shall contain a description of planned procedures for sampling of sulfur-bearing fuels and materials, for analysis of the sulfur content, and for any planned direct measurement of sulfur dioxide emissions vented to the atmosphere. The protocol shall specify the frequency of sampling, analysis, and/or measurement for each fuel and material and for each facility. The department shall incorporate the protocol into the source's operation permit per procedures specified in 326 IAC 2. The department may revise the protocol as necessary to establish acceptable sampling, analysis, and/or measurements procedures and frequency. The department may also require that a source conduct a stack test at any facility listed in this subdivision within thirty (30) days of

written notification by the department.

(2) Northern Indiana Public Service Company Bailly Station:

| Facility Description | Emission Limitations lbs./MMBtu |
|---|---|
| (A) Boilers 7 and 8 | 6.0 each |
| Boilers 7 and 8 shall be fired with coal, fuel oil, or natural gas. | |
| (B) Gas Turbine 10 | natural gas only |

(3) Midwest Steel:

| Facility Description | Emission Limitations lbs./MMBtu |
|---|---|
| Babcock and Wilcox Boiler 1 and Erie City Boilers No. 1, 2, and 3 | 1.33 each |

Only two (2) of four (4) boilers may burn fuel oil with a sulfur dioxide emission rate greater than 0.3 lbs./MMBtu at the same time. Midwest Steel shall maintain records of fuel type for each boiler for each hour. The records of fuel type shall be made available to the department upon request.

(4) Air Products and Chemical:

| Facility Description | Emission Limitations |
|---|---|
| All boilers and the No. 3 Hydrogen Reformer | natural gas only |

'Copies of the Code of Federal Regulations (CFR) referenced may be obtained from the Government Printing Office, Washington, D.C. 20402. Copies of pertinent sections are also available at the Department of Environmental Management, Office of Air Management, 105 South Meridian Street, Indianapolis, Indiana 46225.

**Rule 4.1. Lake County Sulfur Dioxide Emission Limitations**

**326 IAC 7-4.1-1 Lake County sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 1. All new and existing fossil fuel-fired combustion sources and emissions units subject to 326 IAC 7-1.1 located in Lake County shall burn natural gas only unless an alternate sulfur dioxide emission limit is provided in this rule. An emissions unit subject to 326 IAC 7-1.1, but not located at a source specifically listed in this rule, may burn distillate oil with sulfur dioxide emissions limited to three-tenths (0.3) pound per million British thermal units (MMBtu) if the fuel combustion unit has a maximum capacity of less than twenty (20) MMBtu per hour actual heat input. *(Air Pollution Control Board; 326 IAC 7-4.1-1; filed May 25, 2005, 10:50 a.m.: 28 IR 2954)*

**326 IAC 7-4.1-2 Sampling and analysis protocol**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 2. (a) BP Products North America Inc., Cargill, Inc., Carmeuse Lime, Cokenergy, Inc., Indiana Harbor Coke Company, ISG Indiana Harbor Inc., Ispat Inland Inc., Safety-Kleen Oil Recovery Company, U.S. Steel-Gary Works, and Walsh and Kelly shall submit a sampling and analysis protocol to the department by July 1, 2006.

(b) The protocol shall:

(1) contain a description of planned procedures for:

(A) sampling of sulfur-bearing fuels and materials;

(B) analysis of the sulfur content; and

(C) any planned direct measurement of sulfur dioxide emissions vented to the atmosphere; and

(2) specify the frequency of sampling, analysis, and measurement for each fuel and material and for each emissions unit.

(c) The department shall incorporate the protocol into the source's Title V or other appropriate permit per procedures specified in 326 IAC 2. The protocol may be revised as necessary with approval by the department.

(d) The department may also require that a source listed in this section conduct a stack test at any emissions unit within sixty (60) days of written notification by the department. *(Air Pollution Control Board; 326 IAC 7-4.1-2; filed May 25, 2005, 10:50 a.m.: 28 IR 2954)*

**326 IAC 7-4.1-3 BP Products North America Inc. sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 3. (a) BP Products North America Inc., Source Identification Number 00003, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu), pounds per hour, and other requirements as follows:

| Emissions Unit Description | Emission Limit lbs/MMBtu | Emission Limit lbs/hour |
|---|---|---|
| (1) No. 1 Power Station Boilers 3, 4, 5, 6, and 7: | | |
| (A) Boilers 3 and 4 | 0.033 each | 17.49 total |
| (B) Boilers 5, 6, and 7 | 0.033 each | 26.24 total |
| (2) No. 3 Power Station Boilers 1, 2, 3, 4, and 6 | 0.033 each | 18.98 each |
| (3) No. 11 Pipe Still: | | |
| (A) H-1X Heater | 0.033 | 8.25 |
| (B) H-2 Vacuum Heater | 0.033 | 1.49 |
| (C) H-3 Vacuum Heater | 0.033 | 1.82 |
| (D) H-101, 102, 103, and 104 Coker Preheaters | 0.033 each | 6.60 total |
| (E) H-200 Crude Charge | 0.033 | 8.23 |
| (F) H-300 Furnace | 0.033 | 5.94 |
| (4) No. 12 Pipe Still: | | |

| | | |
|---|---|---|
| (A) H-1A, H-1B Preheaters, and H-2 Vacuum Heater | 0.033 each | 21.78 total |
| (B) H-1CN and H-1CS Crude Preheaters | 0.033 each | 7.92 total |
| (C) H-1CX | 0.033 | 13.53 |
| (5) No. 2 Isomerization H-1 Feed Heater Furnace | 0.034 | 6.46 |
| (6) No. 3 Ultraformer: | | |
| (A) H-1 Feed Heater Furnace | 0.033 | 7.92 |
| (B) H-2 Feed Heater Furnace | 0.034 | 6.29 |
| (C) F-7 Furnace | 0.035 | 0.81 |
| (7) No. 4 Ultraformer: | | |
| (A) F-1 Ultraformer Furnace, F-8A and F-8B Reboilers | 0.033 each | 13.00 total |
| (B) F-2 Preheat Furnace | 0.033 | 9.44 |
| (C) F-3 No. 1 Reheat Furnace | 0.033 | 7.99 |
| (D) F-4, F-5, and F-6 Reheat Furnaces | 0.033 each | 9.41 total |
| (E) F-7 Furnace | 0.033 | 1.72 |
| (8) Aromatic Recovery Unit F-200A and F-200B Furnace | 0.035 each | 17.47 total |
| (9) Blending Oil Desulfurization Furnace F-401 | 0.034 | 1.19 |
| (10) Catalytic Refining Unit: | | |
| (A) F-101 Feed Preheater | 0.04 | 2.88 |
| (B) F-102a Stripper Reboiler | 0.04 | 2.40 |
| (11) FCU 500 | | 750.00 |
| (12) FCU 600 | | 437.50 |
| (13) Wastewater Sludge Fluid Bed Incinerator | | 1.78 |
| (14) Catalytic Feed Hydrotreating Unit: | | |
| (A) F-801 A/B Preheater Furnace | 0.035 | 2.33 |
| (B) F-801 C Preheater Furnace | 0.035 | 2.1 |
| (15) Beavon-Stretford Tail Gas Unit | | 53.10 total reduced sulfur |
| (16) Sodium Bisulfite Tail Gas Unit | | 9.0 |
| (17) Sulfur Recovery Unit Incinerator | 0.033 | 1.25 |
| (18) F-1 Asphalt Heater | 0.033 | 0.43 |
| (19) F-2 Steiglitz Park Residual Heater | 0.033 | 0.90 |
| (20) Distillate Desulfurization Unit Heaters WB-301 and WB-302 | 0.033 each | 4.24 total |
| (21) Hydrogen Unit B-1 | 0.033 | 12.09 |

(b) BP Products North America Inc. shall:

(1) maintain daily records of:

(A) fuel type, average sulfur content, and average fuel gravity for each emissions unit specified in this section with sulfur dioxide emission limitations less than or equal to four-hundredths (0.04) pound per MMBtu;

(B) calculated coke burn and sulfur content of the coke for the FCU 500 and FCU 600;

(C) total reduced sulfur concentration, hydrogen sulfide concentration, and calculated stack gas flow rate for the Beavon-Stretford Tail Gas Unit; and

(D) sulfur dioxide concentration and stack gas flow rate for the Sodium Bisulfite Tail Gas Unit; and

(2) submit a report to the department within thirty (30) days after the end of each calendar quarter containing the average daily sulfur dioxide emission rate in pounds per hour sulfur dioxide for the emissions units specified in this section, except for the Beavon-Stretford Tail Gas Unit, that is to be reported as pounds per hour total reduced sulfur calculated as sulfur dioxide.

*(Air Pollution Control Board; 326 IAC 7-4.1-3; filed May 25, 2005, 10:50 a.m.: 28 IR 2955)*

**326 IAC 7-4.1-4 Bucko Construction sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 4. Bucko Construction, Source Identification Number 00179, shall comply with the sulfur dioxide emission limits for the Rotary Dryer of four-hundredths (0.04) pound per ton asphalt and ten (10) pounds per hour. *(Air Pollution Control Board; 326 IAC 7-4.1-4; filed May 25, 2005, 10:50 a.m.: 28 IR 2956)*

**326 IAC 7-4.1-5 Cargill, Inc. sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 5. (a) Cargill, Inc., Source Identification Number 00203, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu) and pounds per hour as follows:

(1) Boilers 6, 7, 8, and 10 shall be limited to one and four thousand three hundred seventy-five ten-thousandths (1.4375) pounds per MMBtu and five hundred eighty-four (584) pounds per hour for all four (4) boilers.

(2) By one (1) year from the effective date of this rule, other emissions units shall be limited as follows:

| Emissions Unit Description | Emissions Unit Identification | Emission Limit lbs/hour |
|---|---|---|
| (A) Gluten Dryer System | 121-01-G | 9.13 |
| (B) Waxy Feed Drum Dryer | 124-01 | 2.28 |
| (C) Fiber Dryer and Drying Equipment | 89-01-G | 9.13 |
| (D) Rotary Feed Dryer | 89-03 | 6.85 |
| (E) Germ Dryer 1st Stage | 21-A-02 | 1.14 |
| (F) Germ Dryer 2nd Stage | 51-A-02 | 1.14 |
| (G) Germ Dryer | 124-A-01 | 9.13 |
| (H) Carbon Regen Furnace | 104-01-R | 4.57 |
| (I) Biogas Flare | 800-04-E | 9.13 |

(b) Cargill, Inc. shall:

(1) maintain records of average sulfur content, fuel oil usage, and boiler operating load for each hour in which any boiler operates on fuel oil;

(2) submit a report to the department within thirty (30) days after the end of each calendar quarter containing the records listed in subdivision (1) and a calculation of the total sulfur dioxide emissions from Boilers 6, 7, 8, and 10 for each hour; and

(3) submit a quarterly report of the twelve (12) month rolling total of all sulfur dioxide emissions in tons per year.

*(Air Pollution Control Board; 326 IAC 7-4.1-5; filed May 25, 2005, 10:50 a.m.: 28 IR 2956)*

**326 IAC 7-4.1-6 Carmeuse Lime sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 6. (a) Carmeuse Lime, Source Identification Number 00112, shall comply with the sulfur dioxide emission limits for Rotary Kilns 1 through 5 as follows:

(1) When three (3) or fewer kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) two and ninety-four thousandths (2.094) pounds per ton of lime based on a one (1) hour average; and
  (B) forty-eight (48) pounds per hour per operating kiln.

(2) When four (4) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) one and seven hundred forty-five thousandths (1.745) pounds per ton of lime based on a one (1) hour average; and
  (B) forty (40) pounds per hour per operating kiln.

(3) When five (5) kilns are in operation at the same time, the sulfur dioxide emissions are not to exceed:
  (A) one and four hundred eighty-three thousandths (1.483) pounds per ton of lime based on a one (1) hour average; and
  (B) thirty-four (34) pounds per hour per operating kiln.

(4) The production of lime is not to exceed five hundred fifty (550) tons per day for each rotary kiln.

(b) Sulfur dioxide emissions shall be vented from the kilns/kiln gas filter systems at the following heights above grade:

(1) For Kiln No. 1, a stack height of seventy-nine and one-tenth (79.1) feet.

(2) For Kiln No. 2, a stack height of eighty-five and nine-tenths (85.9) feet.

(3) For Kiln No. 3, a stack height of eighty-six and zero-tenths (86.0) feet.

(4) For Kiln No. 4, a stack height of ninety-four and four-tenths (94.4) feet.

(5) For Kiln No. 5, a stack height of eighty-seven and four-tenths (87.4) feet.

*(Air Pollution Control Board; 326 IAC 7-4.1-6; filed May 25, 2005, 10:50 a.m.: 28 IR 2956)*

**326 IAC 7-4.1-7 Cokenergy Inc. sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 7. Cokenergy Inc., Source Identification Number 00383, shall comply with the sulfur dioxide emission limit in pounds per hour for the heat recovery coke carbonization waste gas stack, identified as Stack ID 201, combined with the sixteen (16) vents from the Indiana Harbor Coke Company of a twenty-four (24) hour average emission rate of one thousand six hundred fifty-six (1,656) pounds per hour. *(Air Pollution Control Board; 326 IAC 7-4.1-7; filed May 25, 2005, 10:50 a.m.: 28 IR 2957)*

**326 IAC 7-4.1-8 Indiana Harbor Coke Company sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 8. (a) Indiana Harbor Coke Company (IHCC), Source Identification Number 00382, shall comply with the sulfur dioxide emission limits in pounds per ton, pounds per hour, and other requirements as follows:

| Emissions Unit Description | Emission Limit lbs/ton | Emission Limit lbs/hour |
|---|---|---|
| (1) IHCC Coal Carbonization Charging | 0.0068 each | 1.57 total |
| (2) IHCC Coal Carbonization Pushing | 0.0084 | 1.96 |
| (3) IHCC Coal Carbonization Quenching | 0.0053 | 1.232 total |
| (4) IHCC Coal Carbonization Thaw Shed | 0.0006 lbs/1,000 cubic feet natural gas | 0.015 |
| (5) IHCC Vent Stacks (16 total) in combination with Cokenergy's heat recovery coke carbonization waste gas stack identified as Stack ID 201 | | 1,656 total for a 24 hour average |

(b) The coke ovens shall recycle the gases emitted during the coking process and utilize it as the only fuel source for the ovens during normal operations. The gases shall not be routed directly to the atmosphere unless they first pass through the common tunnel afterburner. A maximum of nineteen percent (19%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere on a twenty-four (24) hour basis and fourteen percent (14%) on an annual basis. *(Air Pollution Control Board; 326 IAC 7-4.1-8; filed May 25, 2005, 10:50 a.m.: 28 IR 2957)*

**326 IAC 7-4.1-9 Ironside Energy, LLC sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 9. (a) Ironside Energy, LLC, Source Identification Number 00448, shall comply with the sulfur dioxide emission limits for Utility Boiler No. 9 of two hundred ninety-thousandths (0.290) pound per million British thermal units (MMBtu) and one hundred ninety and fifty-three hundredths (190.53) pounds per hour. Utility Boiler No. 9 shall be fired on blast furnace gas and natural gas only.

(b) Utility Boiler No. 9 in combination with ISG Indiana Harbor Inc. Utility Boilers 5, 6, 7, and 8 are limited to an annual operating limit of five thousand eight hundred seventy-one and sixty-one hundredths (5,871.61) tons per year.

(c) For Utility Boiler No. 9, Ironside Energy, LLC shall:

(1) maintain records of the:

(A) total blast furnace gas and natural gas combusted for each day; and

(B) average sulfur content and heating value for each day for each fuel type combusted during the calendar quarter; and

(2) submit to the department within thirty (30) days of the end of each calendar quarter the calculated sulfur dioxide emission rate in pounds per MMBtu for each fuel type, the total fuel combusted for each day during the calendar quarter.

*(Air Pollution Control Board; 326 IAC 7-4.1-9; filed May 25, 2005, 10:50 a.m.: 28 IR 2957)*

**326 IAC 7-4.1-10 ISG Indiana Harbor Inc. sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 10. (a) ISG Indiana Harbor Inc., Source Identification Number 00318, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu), pounds per hour, and other requirements as follows:

| Emissions Unit Description | Emission Limit lbs/MMBtu | Emission Limit lbs/hour |
|---|---|---|
| (1) Utility Boilers 5, 6, 7, and 8: | 0.594 each | 1456.5 total |
| (A) Total actual heat input from fuel oil usage at all boilers combined shall not exceed two thousand four hundred fifty-two (2,452) MMBtu per hour. (B) Boilers shall be fired on fuel oil, blast furnace gas, and natural gas only. (C) Fuel oil burned shall not exceed one and three-tenths percent (1.3%) sulfur and one and thirty-five hundredths (1.35) pounds per MMBtu. (D) Utility Boilers 5, 6, 7, and 8 in combination with the Ironside Energy, LLC Utility Boiler No. 9 are limited to an annual operating limit of five thousand eight hundred seventy-one and sixty-one hundredths (5,871.61) tons per year. | | |
| (2) Hot Strip Mill Slab Heat Reheat Furnaces 1, 2, and 3 | 1.254 each | 535.1 each |
| (3) Sinter Plant Windbox | | 240 |
| (4) Blast Furnace Stoves: | | |
| (A) No. 3 Blast Furnace Stove | 0.290 | 127.89 |
| (B) No. 4 Blast Furnace Stove | 0.290 | 140.94 |
| (5) Reladling and Desulfurization Baghouse | 0.057 pounds per ton feed material | 30.40 |
| (6) Number 4 Blast Furnace EC Baghouse | 0.18 pounds per ton feed material | 69.9 |

(b) ISG Indiana Harbor Inc. shall:

(1) maintain records of the:

(A) total coke oven gas, blast furnace gas, fuel oil, and natural gas usage for each day at each emissions unit listed in subsection (a)(1) through (a)(4); and

(B) average sulfur content and heating value for each day for each fuel type used during the calendar quarter; and

(2) submit to the department within thirty (30) days of the end of each calendar quarter the calculated sulfur dioxide emission rate in pounds per MMBtu for each emissions unit for each day during the calendar quarter and the total fuel usage for each type at each emissions unit for each day.

*(Air Pollution Control Board; 326 IAC 7-4.1-10; filed May 25, 2005, 10:50 a.m.: 28 IR 2958)*

**326 IAC 7-4.1-11 Ispat Inland Inc. sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 11. (a) Ispat Inland Inc., Source Identification Number 00316, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu), pounds per ton, pounds per hour, and other requirements as follows:

| Emissions Unit Description | Emission Limit lbs/MMBtu | Emission Limit lbs/hour |
|---|---|---|
| (1) No. 1 Blast Furnace Stoves | 0.080 total | 11.92 total |
| (2) No. 2 Blast Furnace Stoves | 0.080 total | 12.4 total |
| (3) No. 5 and 6 Blast Furnace Stoves | 0.140 each | 41.02 each |
| (4) No. 7 Blast Furnace Stoves | 0.195 total | 162 total |
| (5) No. 5 Boilerhouse | 0.198 | 265.2 |
| (6) No. 2AC Boilers 207, 208, 209, and 210 | | 15.873 total |
| (7) No. 2AC Boilers 211, 212, and 213 | 0.140 each | 168.0 total |
| (8) No. 4AC Boilers 401, 402, 403, 404, and 405: | | 890.23 total |
| (A) Stack 1 (Boilers 401 and 402) and Stack 2 (Boilers 403 and 404) | 1.5 per stack | |
| (B) Stack 3 (Boiler 405) | 1.0 | |
| (C) Sulfur dioxide emissions from Stacks 1, 2, and 3 shall be limited in accordance with the following equation in units of pounds per MMBtu: $(\text{Stack 1} + \text{Stack 2})/2 + 0.425 \times \text{Stack 3} \leq 1.6$ If any one (1) of Boilers 401 through 405 is not operating for a given calendar day, the pounds per MMBtu for Stack 3 for the purposes of the equation in this clause is twenty-four hundredths (0.24) pounds per MMBtu. | | |
| (D) Ispat Inland Inc. shall maintain and operate sulfur dioxide continuous emission monitoring systems (CEMS) in Stacks 1, 2, and 3. CEMS data shall be used to determine compliance and to determine the sulfur dioxide emission rate in pounds per MMBtu for the report required under subsection (b)(3) *[sic.]*. The CEMS shall be operated in accordance with the procedures specified in 326 IAC 3-5, and records of hourly emissions data shall be maintained and made available to the department upon request. | | |
| (9) Lime Plant Kiln Baghouse Stacks | 0.460 | 32.08 total |
| (10) Anneal 3, 4 | 0.000 | 0.000 |
| | Emission Limit lbs/ton | Emission Limit lbs/hour |
| (11) EAF Shop Ladle Metal Baghouse | 0.125 | 13.90 |
| (12) Pigging Ladle Facility | 0.020 | 4.000 |
| (13) Sinter Plant Windbox | | 180.000 |
| (14) No. 7 Blast Furnace Canopy | 0.220 | 50.400 |
| (15) No. 7 BF Casthouse Baghouse | 0.220 | 50.400 |
| (16) No. 2 BOF Secondary Vent Stack | 0.014 | 6.440 |
| (17) No. 2 BOF Charge Aisle and HMS Baghouse | 0.151 | 69.460 |
| (18) No. 2 BOF Ladle Metal Baghouse | 0.025 | 11.500 |
| (19) No. 4 BOF HMS Baghouse S and N | 0.151 each | 36.391 each |
| (20) No. 4 BOF Secondary Vent Stack | 0.001 | 0.535 |

(b) Ispat Inland Inc. shall:

(1) maintain records of the:

(A) total blast furnace gas, fuel oil, and natural gas usage for each day at each emissions unit listed in this section; and

(B) average sulfur content and heating value for each day for each fuel type used during the calendar quarter and of the operational status of 2AC Station Boilers 207, 208, 209, 210, 211, 212, and 213, 4AC Station Boilers 401, 402, 403, 404, and 405; and

(2) submit to the department within thirty (30) days of the end of each calendar quarter the calculated sulfur dioxide emission rate in pounds per million Btu and pounds per hour for each emissions unit for each day during the calendar quarter, the total fuel usage for each type of fuel used at each emissions unit for each day.

*(Air Pollution Control Board; 326 IAC 7-4.1-11; filed May 25, 2005, 10:50 a.m.: 28 IR 2958)*

**326 IAC 7-4.1-12 Methodist Hospital sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 12. Methodist Hospital, Source Identification Number 00114, shall comply with the sulfur dioxide emission limits for Boiler 1 of one hundred fifty-two thousandths (0.152) pound per million British thermal units and four and eight hundred sixty-four thousandths (4.864) pounds per hour. *(Air Pollution Control Board; 326 IAC 7-4.1-12; filed May 25, 2005, 10:50 a.m.: 28 IR 2959)*

**326 IAC 7-4.1-13 National Recovery Systems sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 13. National Recovery Systems, Source Identification Number 00323, shall comply with the sulfur dioxide emission limits for the dryer of three-tenths (0.3) pound per million British thermal units and two and seven hundred-thousandths (2.700) pounds per hour. *(Air Pollution Control Board; 326 IAC 7-4.1-13; filed May 25, 2005, 10:50 a.m.: 28 IR 2959)*

**326 IAC 7-4.1-14 NIPSCO Dean H. Mitchell Generating Station sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 14. (a) NIPSCO Dean H. Mitchell Generating Station, Source Identification Number 00117, shall comply with the sulfur dioxide emission limits for Boilers 4, 5, 6, and 11 in pounds per million British thermal units (MMBtu), pounds per hour, and other requirements as follows:

(1) Operation under either subdivision (2)(B) or (2)(C) shall only be allowed provided that a nozzle is in the stack serving Boilers 4 and 5 such that the stack diameter is restricted to eight and three-tenths (8.3) feet.

(2) Sulfur dioxide emissions for boilers operating under the scenarios listed in this subdivision shall be measured as a daily weighted average by the continuous emissions monitoring systems (CEMS) required in subsection (b)(2). NIPSCO Dean H. Mitchell Generating Station may operate under any one (1) of the following scenarios:

(A) Boilers 4, 5, 6, and 11 may operate simultaneously under the following conditions:

(i) One (1) of Boiler 4 or 5 may operate on coal if the other boiler is operated on natural gas or is not operating. Sulfur dioxide emissions from the stack serving Boilers 4 and 5 shall be limited to one and five-hundredths (1.05) pounds per MMBtu and one thousand three hundred thirteen (1,313.0) pounds per hour.

(ii) Boilers 6 and 11 may operate simultaneously on coal. Sulfur dioxide emissions from the stack serving Boilers 6 and 11 shall be limited to one and five-hundredths (1.05) pound per MMBtu and two thousand four hundred seventy-five (2,475.0) pounds per hour.

(B) Boilers 4, 5, 6, and 11 may operate simultaneously on coal subject to the following conditions:

(i) Sulfur dioxide emissions from the stack serving Boilers 4 and 5 shall be limited to seventy-seven hundredths (0.77) pound per MMBtu and one thousand nine hundred twenty-five (1,925.0) pounds per hour.

(ii) Sulfur dioxide emissions from the stack serving Boilers 6 and 11 shall be limited to seventy-seven hundredths (0.77) pound per MMBtu and one thousand eight hundred fifteen (1,815.0) pounds per hour.

(C) One (1) set of either Boilers 4 and 5 or 6 and 11 may operate on coal if the other set is not operating, subject to the following conditions:

(i) Sulfur dioxide emissions from the stack serving Boilers 4 and 5 shall be limited to one and five-hundredths (1.05) pounds per MMBtu and two thousand six hundred twenty-five (2,625.0) pounds per hour.

(ii) Sulfur dioxide emissions from the stack serving Boilers 6 and 11 shall be limited to one and five-hundredths (1.05) pounds per MMBtu and two thousand four hundred seventy-five (2,475.0) pounds per hour.

(3) NIPSCO Dean H. Mitchell Generating Station shall maintain a daily log of the following for Boilers 4, 5, 6, and 11:

(A) Fuel type.

(B) Transition time of changes between or within operating scenarios.

The log shall be maintained for a minimum of five (5) years and shall be made available to the department and U.S. EPA upon request.

(4) Emission limits shall be maintained during transition periods within or between operating scenarios.

(b) NIPSCO Dean H. Mitchell Generating Station shall comply with the following:

(1) The diameter of the stack serving Boilers 6 and 11 shall be restricted to eight and three-tenths (8.3) feet.

(2) Beginning May 31, 1992, NIPSCO Dean H. Mitchell Generating Station shall maintain and operate CEMS in the stacks serving Boilers 4, 5, 6, and 11. The CEMS shall be operated in accordance with the procedures specified in 326 IAC 3-4 and 326 IAC 3-5, with the exception of the three (3) hour block period reporting requirements under 326 IAC 3-5-7. Records of daily average emissions data shall be:

(A) maintained for a minimum of five (5) years; and

(B) made available to the department and U.S. EPA upon request.

(3) NIPSCO Dean H. Mitchell Generating Station shall submit a written report to the department within thirty (30) days after the end of each calendar quarter. The report shall contain the daily weighted average emission rate in units of pounds per MMBtu as measured by the CEMS for each stack venting emissions from those boilers specified in subdivision (2). The hourly gross megawatt power production from the units connected to each stack may be used as the weighting factor in determining the daily weighted average. Records of the hourly gross megawatt power production shall be:

(A) maintained for a minimum of five (5) years; and

(B) made available to the department and U.S. EPA upon request.

*(Air Pollution Control Board; 326 IAC 7-4.1-14; filed May 25, 2005, 10:50 a.m.: 28 IR 2960)*

**326 IAC 7-4.1-15 Rhodia sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 15. (a) Rhodia, Source Identification Number 00242, shall comply with the sulfur dioxide emission limit for the Spent Acid Regeneration Unit 4 of seven hundred eighty-two (782) pounds per hour.

(b) Rhodia shall operate a continuous emission monitoring system (CEMS) in each stack serving Unit 4. Rhodia shall submit a report to the department within thirty (30) days after the end of each calendar quarter. The report shall contain the following information:

(1) Three (3) hour average sulfur dioxide emission rate in pounds per hour as measured by the CEMS from Unit 4 for each three (3) hour period during the calendar quarter in which the average emissions exceed the allowable rates specified in subsection (a).

(2) The daily average emission rate in units of pounds per ton as determined from CEMS and production data for Unit 4 for each day of the calendar quarter.

*(Air Pollution Control Board; 326 IAC 7-4.1-15; filed May 25, 2005, 10:50 a.m.: 28 IR 2960)*

**326 IAC 7-4.1-16 Safety-Kleen Oil Recovery Company sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 16. Safety-Kleen Oil Recovery Company, Source Identification Number 00301, shall comply with the sulfur dioxide emission limits in pounds per hour and other requirements as follows:

(1) Boilers SB-801, SB-820, SB-821, and SB-823, and Process Heaters H-302 and H-404 shall use natural gas only.

(2) Process Heater H-201, with a capacity of twenty-seven and three-tenths (27.3) MMBtu per hour, shall use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases. Process Heater H-301, with a capacity of twenty and zero-tenths (20.0) MMBtu per hour, shall use a combination of natural gas and No. 2 fuel oil equivalent. The combined sulfur dioxide emissions from these two (2) process heaters shall not exceed fourteen (14) pounds per hour and sixty (60) tons per year.

(3) Process Heater H-401, with a capacity of fifteen and three-tenths (15.3) MMBtu per hour, shall use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases. Process Heater H-402, with a capacity of eleven and seven-tenths (11.7) MMBtu per hour, shall use a combination of natural gas and No. 2 fuel oil equivalent. The combined sulfur dioxide emissions from these two (2) process heaters shall not exceed ten and eight-tenths (10.8) pounds per hour and forty-seven and three-

tenths (47.3) tons per year.
(4) Process Heater H-406, with a capacity of twenty (20.0) MMBtu per hour, shall use a combination of natural gas and off-gases. The sulfur dioxide emissions shall not exceed eight (8) pounds per hour.
(5) Within thirty (30) days after the effective date of this rule, Safety-Kleen shall choose one (1) of the following compliance options for Process Heaters H-201, H-301, H-401, H-402, and H-406 and submit a letter to the department identifying which option will be used to demonstrate compliance of these process heaters with this rule. With the letter, Safety-Kleen shall submit a fuel and sampling analysis protocol for the selected option for approval by the department. Safety-Kleen shall comply with the approved compliance method by December 31, 2005, and after that date shall use only the selected method to demonstrate compliance of the process heaters in accordance with the approved fuel and sampling analysis protocol. The department shall notify U.S. EPA of the approved option. The options are as follows:

(A) Safety-Kleen shall demonstrate compliance through monitoring as follows:
(i) Monitor sulfur content in the off-gas streams for Process Heaters H-201, H-401, and H-406.
(ii) Prior to sampling the fuel in the fuel tank, mix the contents of the tank to ensure consistent composition of the fuel throughout the tank.
(iii) Perform fuel sampling and analysis for the sulfur content of the fuel in each fuel tank:
(AA) prior to the first time the fuel is burned; and
(BB) subsequently, prior to burning the fuel whenever additional fuel has been added to the tank since the last sampling event.
(iv) Maintain records sufficient to demonstrate compliance for at least three (3) years.
(v) Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.

(B) Safety-Kleen shall demonstrate compliance through monitoring as follows:
(i) Install sulfur dioxide CEMS on the stacks for Process Heaters H-201, H-401, and H-406. The CEMS shall be installed, calibrated, operated, and maintained in accordance with 326 IAC 3-5.
(ii) Conduct fuel sampling for heat input and sulfur content and measure the quantity of fuel oil burned in the four (4) process heaters in order to calculate the heat input rate in MMBtu/hr for Process Heaters H-201 and H-401, as well as the SO2 emission rate in Process Heaters H-301 and H-402.
(iii) Prior to sampling the fuel in the fuel tank, mix the contents of the tank to ensure consistent composition of the fuel throughout the tank.
(iv) Perform fuel sampling and analysis for the sulfur content of the fuel in each fuel tank:
(AA) prior to the first time the fuel is burned; and
(BB) subsequently, prior to burning the fuel whenever additional fuel has been added to the tank since the last sampling event.
(v) Maintain records sufficient to demonstrate compliance for at least three (3) years.
(vi) Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.

(C) Safety-Kleen shall demonstrate compliance through monitoring as follows:
(i) Install sulfur dioxide CEMS on the stacks for Process Heaters H-201, H-301, H-401, H-402, and H-406. The CEMS shall be installed, calibrated, operated, and maintained in accordance with 326 IAC 3-5.
(ii) Maintain records sufficient to demonstrate compliance for at least three (3) years.
(iii) Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.

*(Air Pollution Control Board; 326 IAC 7-4.1-16; filed May 25, 2005, 10:50 a.m.: 28 IR 2961)*

**326 IAC 7-4.1-17 SCA Tissue North America LLC sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 17. SCA Tissue North America LLC, Source Identification Number 00106, shall comply with the sulfur dioxide emission limits for Boiler 1 of one and two-tenths (1.2) pounds per million British thermal units and eighty-seven and twenty-four hundredths (87.24) pounds per hour. *(Air Pollution Control Board; 326 IAC 7-4.1-17; filed May 25, 2005, 10:50 a.m.: 28 IR 2962)*

**326 IAC 7-4.1-18 State Line Energy, LLC sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 18. State Line Energy, LLC, Source Identification Number 00210, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu) and pounds per hour as follows:

(1) The Auxiliary Emergency Generator shall be limited to three-tenths (0.3) pound per MMBtu and one and thirty-five hundredths (1.35) pounds per hour.

(2) Boiler 3 shall be limited to one and two-tenths (1.2) pounds per MMBtu and two thousand five hundred fifty-six (2,556) pounds per hour.

(3) Boiler 4 shall be limited to one and two-tenths (1.2) pounds per MMBtu and four thousand fifty-four and eight-tenths (4,054.8) pounds per hour.

*(Air Pollution Control Board; 326 IAC 7-4.1-18; filed May 25, 2005, 10:50 a.m.: 28 IR 2962)*

**326 IAC 7-4.1-19 Unilever HPC USA sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 19. Unilever HPC USA, Source Identification Number 00229, shall comply with the sulfur dioxide emission limits in pounds per million British thermal units (MMBtu), hours per year, and pounds per hour as follows:

(1) Boiler 4 shall be limited to one and fifty-two hundredths (1.52) pounds per MMBtu and one hundred twenty-five and three-tenths (125.3) pounds per hour.

(2) Power House Boiler No. 1 shall be limited to five-tenths (0.5) pounds per MMBtu and sixty (60) pounds per hour for a total of six hundred ninety-five (695) hours per year at full capacity.

(3) American Hydrotherm Boiler No. 2 shall be limited to three-tenths (0.3) pound per MMBtu and three and sixty-six hundredths (3.66) pounds per hour.

*(Air Pollution Control Board; 326 IAC 7-4.1-19; filed May 25, 2005, 10:50 a.m.: 28 IR 2962)*

**326 IAC 7-4.1-20 U. S. Steel-Gary Works sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 20. (a) U. S. Steel-Gary Works, Source Identification Number 00121, shall comply with the following sulfur dioxide emission limitations in pounds per million British thermal units (MMBtu) and pounds per hour when the coke oven gas desulfurization emissions unit is not operating during the following periods:

| Emissions Unit Description | Emission Limit lbs/MMBtu | Emission Limit lbs/hour |
|---|---|---|
| (1) During January through December: | | |
| (A) Turboblower Boiler House Boiler No. 6 | 0.115 | 81.7 |
| (B) No. 4 Boiler House Boiler Nos. 1, 2, and 3: | | |
| (i) During periods when Blast Furnace No. 13 Stoves are combusting blast furnace gas: | | |
| (AA) When three (3) boilers are operating | 0.115 | 172.5 total |
| (BB) When two (2) boilers are operating | 0.173 | 172.5 total |
| (CC) When one (1) boiler is operating | 0.345 | 172.5 total |
| (ii) During periods when Blast Furnace No. 13 Stoves are not combusting blast furnace gas and Hot Strip Mill Waste Heat Boiler Nos. 1 and 2 are combusting coke oven gas: | | |
| (AA) When three (3) boilers are operating | 0.200 | 300.0 total |
| (BB) When two (2) boilers are operating | 0.300 | 300.0 total |

| | | |
|---|---|---|
| (CC) When one (1) boiler is operating | 0.600 | 300.0 total |
| (iii) During periods when Blast Furnace No. 13 Stoves are not combusting blast furnace gas and Hot Strip Mill Waste Heat Boiler Nos. 1 and 2 are not combusting coke oven gas: | | |
| (AA) When three (3) boilers are operating | 0.195 | 293.0 total |
| (BB) When two (2) boilers are operating | 0.293 | 293.0 total |
| (CC) When one (1) boiler is operating | 0.586 | 293.0 total |
| (C) Number 2 Coke Plant Boiler House: | | |
| (i) Boiler No. 8 | 1.270 | 316.2 |
| (ii) Boiler No. 9 | 1.270 | 298.45 |
| (iii) Boiler No. 10 | 1.270 | 298.45 |
| (D) Coke Oven Underfiring Stacks: | | |
| (i) Nos. 2 and 3 | 1.270 | 251.5 each |
| (ii) Nos. 5 and 7 | 1.270 | 158.75 each |
| (E) During periods when the 84-inch Hot Strip Mill Continuous Reheat Furnaces Nos. 1, 2, 3, and 4 are not combusting coke oven gas: | | |
| (i) Hot Strip Mill Waste Heat Boiler No. 1 or 2 | 1.270 | 287.0 |
| (ii) Remaining Hot Strip Mill Waste Heat Boiler | 0.704 | 159.0 |
| (F) Hot Strip Mill Continuous Reheat Furnace Nos. 1, 2, 3, and 4 during periods when combusting coke oven gas: | | |
| (i) When four (4) furnaces are operating | 0.256 | 615.0 total |
| (ii) When three (3) furnaces are operating | 0.342 | 615.0 total |
| (iii) When two (2) furnaces are operating | 0.513 | 615.0 total |
| (iv) When one (1) furnace is operating | 1.025 | 615.0 total |
| (G) Number 3 Sinter Plant Windbox Gas Cleaning Systems | | 260.0 total |
| (H) Coke Oven Gas Desulfurization Facility Tail Gas Incinerator | | 22.0 |
| (I) Blast Furnace Stove Stacks: | | |
| (i) No. 4 | 0.115 | 40.25 total |
| (ii) No. 6 | 0.115 | 40.25 total |
| (iii) No. 8 | 0.115 | 37.38 total |
| (J) Blast Furnace Stove Stack 13 during periods when combusting blast furnace gas | 0.134 | 93.50 total |
| (K) No. 13 Blast Furnace Casthouse Baghouse during periods when Blast Furnace No. 13 Stoves are combusting blast furnace gas | | 115.0 |
| (L) No. 2 Q-BOP Shop Hot Metal Desulf Baghouse | 0.05 pounds per ton hot metal | 28.54 |
| (M) No. 1 BOP Shop Hot Metal Desulf Baghouse | 0.05 pounds per ton hot metal | 28.54 |
| (2) During specified periods: | | |
| (A) Turboblower Boiler House Boiler Nos. 1, 2, 3, and 5: | | |
| (i) During periods when the Hot Strip Mill Waste Heat Boiler Nos. 1 and 2 are not combusting coke oven gas: | | |
| (AA) January through April: | | |
| (aa) When four (4) boilers are operating | 0.594 | 974.5 total |
| (bb) When three (3) boilers are operating | 0.792 | 974.5 total |
| (cc) When two (2) boilers or less are operating | 1.188 | 974.5 total |
| (BB) May through October: | | |

| | | |
|---|---|---|
| (aa) When four (4) boilers are operating | 1.006 | 1,650.0 total |
| (bb) When three (3) boilers are operating | 1.341 | 1,650.0 total |
| (cc) When two (2) boilers or less are operating | 2.012 | 1,650.0 total |
| (CC) November through December: | | |
| (aa) When four (4) boilers are operating | 0.384 | 630.0 total |
| (bb) When three (3) boilers are operating | 0.512 | 630.0 total |
| (cc) When two (2) boilers or less are operating | 0.768 | 630.0 total |
| (ii) During periods when the Hot Strip Mill Waste Heat Boiler Nos. 1 and 2 are combusting coke oven gas: | | |
| (AA) January through April: | | |
| (aa) When four (4) boilers are operating | 0.625 | 1,025.0 total |
| (bb) When three (3) boilers are operating | 0.833 | 1,025.0 total |
| (cc) When two (2) boilers or less are operating | 1.250 | 1,025.0 total |
| (BB) May through October: | | |
| (aa) When four (4) boilers are operating | 0.994 | 1,630.0 total |
| (bb) When three (3) boilers are operating | 1.325 | 1,630.0 total |
| (cc) When two (2) boilers or less are operating | 1.988 | 1,630.0 total |
| (CC) November through December: | | |
| (aa) When four (4) boilers are operating | 0.351 | 575.0 total |
| (bb) When three (3) boilers are operating | 0.467 | 575.0 total |
| (cc) When two (2) boilers or less are operating | 0.701 | 575.0 total |
| (B) Number 2 Coke Plant Boiler House Boiler Nos. 4 and 5: | | |
| (i) January through April | 0.444 | 150.0 total |
| (ii) May through October | 0.385 | 130.0 total |
| (iii) November through December | 0.0006 | 0.203 total |
| (C) Number 2 Coke Plant Boiler House Boiler No. 6: | | |
| (i) January through April | 1.27 | 214.6 |
| (ii) May through October | 1.27 | 214.6 |
| (iii) November through December | 1.18 | 200.0 |

(b) U.S. Steel-Gary Works shall comply with the following sulfur dioxide emission limitations in pounds per MMBtu and pounds per hour when the coke oven gas desulfurization emissions unit is operating:

| Emissions Unit Description | Emission Limit lbs/MMBtu | Emission Limit lbs/hour |
|---|---|---|
| (1) Turboblower Boiler House: | | |
| (A) Boilers Nos. 1, 2, 3, and 5: | | |
| (i) When four (4) boilers are operating | 0.427 | 700.0 total |
| (ii) When three (3) boilers are operating | 0.569 | 700.0 total |
| (iii) When two (2) boilers or less are operating | 0.854 | 700.0 total |
| (B) Boiler No. 6 | 0.115 | 81.7 |
| (2) Number 4 Boiler House Boiler Nos. 1, 2, and 3: | | |
| (A) When three (3) boilers are operating | 0.353 | 529.0 total |
| (B) When two (2) boilers are operating | 0.529 | 529.0 total |
| (C) When one (1) boiler is operating | 1.058 | 529.0 total |
| (3) Number 2 Coke Plant Boiler House: | | |
| (A) Boiler No. 3 | 0.260 | 40.6 |
| (B) Boiler Nos. 4 and 5 | 0.260 | 87.9 total |

| | | |
|---|---|---|
| (C) Boiler No. 6 | 0.260 | 44.0 |
| (D) Boiler No. 7 | 0.260 | 42.1 |
| (E) Boiler No. 8 | 0.260 | 64.7 |
| (F) Boiler No. 9 | 0.260 | 61.10 |
| (G) Boiler No. 10 | 0.260 | 61.10 |
| (4) Coke Battery Number 2, 3, 5, and 7 Underfiring: | | |
| (A) Nos. 2 and 3 | 0.260 | 51.5 each |
| (B) No. 5 | 0.270 | 33.8 |
| (C) No. 7 | 0.260 | 32.5 |
| (5) Blast Furnace Stove Stacks: | | |
| (A) No. 4 | 0.115 | 40.25 total |
| (B) No. 6 | 0.115 | 40.25 total |
| (C) No. 8 | 0.115 | 37.38 total |
| (D) No. 13 | 0.134 | 93.50 total |
| (6) 84-inch Hot Strip Mill: | | |
| (A) Waste Heat Boiler Nos. 1 and 2 | 0.260 | 58.8 each |
| (B) Continuous Reheat Furnaces Nos. 1, 2, 3, and 4: | | |
| (i) When four (4) furnaces are operating | 0.182 | 436.5 total |
| (ii) When three (3) furnaces are operating | 0.243 | 436.5 total |
| (iii) When two (2) furnaces are operating | 0.354 | 436.5 total |
| (iv) When one (1) furnace is operating | 0.728 | 436.5 total |
| (7) Number 3 Sinter Plant Windbox Gas Cleaning Systems | | 200 total |
| (8) Coke Oven Gas Desulfurization Facility Tail Gas Incinerator | | 295 |
| (9) No. 13 Blast Furnace Casthouse Baghouse | | 115 |
| (10) No. 2 Q-BOP Shop Hot Metal Desulf Baghouse | 0.05 pounds per ton hot metal | 28.54 |
| (11) No. 1 BOP Shop Hot Metal Desulf Baghouse | 0.05 pounds per ton hot metal | 28.54 |

(c) U. S. Steel-Gary Works shall comply with additional sulfur dioxide emission requirements as follows:

(1) U. S. Steel shall record and make available to IDEM, upon request, process and fuel use information pertaining to each emissions unit, process, or combustion unit identified in this section, including the following:

(A) Identification of the applicable limit.

(B) The amount and type of each fuel used for each emissions unit for each calendar day of operation.

(C) The operating scenario chosen for the U. S. Steel-Gary Works.

(D) The hourly sulfur dioxide emission rate in pounds of sulfur dioxide per hour calculated by dividing the total daily sulfur dioxide emissions in pounds of sulfur dioxide per day by twenty-four (24) hours.

(E) The hourly sulfur dioxide emission rate in pounds of sulfur dioxide per MMBtu for those emissions units with a pounds of sulfur dioxide per MMBtu limit in this rule calculated by dividing the total daily sulfur dioxide emissions in pounds of sulfur dioxide per day by the total heat input per day in MMBtu.

(2) U. S. Steel-Gary Works shall submit an exception report to the department within thirty (30) days of an exceedance of the limitations in this section that includes the following:

(A) Identification of the applicable limit or limits being exceeded.

(B) Identification of any emissions unit exceeding the applicable limit and the dates when the limits were exceeded.

(C) The calculated sulfur dioxide emission rate in pounds per hour for each emissions unit exceeding the limitations for the days that the pounds per hour limitations were exceeded.

(D) The calculated sulfur dioxide emission rate in pounds per MMBtu for each combustion unit, furnace, boiler, or process operation for each emissions unit exceeding the pounds per MMBtu limitations for the days that the limitations were exceeded.

(E) The actual daily fuel usage for each combustion unit, furnace, boiler, or process operation for each emissions unit exceeding the limitations for the days that the limitations were exceeded.

(3) An emission unit shall burn natural gas only:

(A) if it is not listed in this rule; or

(B) under any operating condition not specifically listed in this rule.

(4) The desulfurization facility is restricted to no more than nine hundred fifty (950) hours of downtime in a calendar year. *(Air Pollution Control Board; 326 IAC 7-4.1-20; filed May 25, 2005, 10:50 a.m.: 28 IR 2962)*

**326 IAC 7-4.1-21 Walsh and Kelly sulfur dioxide emission limitations**

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 21. (a) Walsh and Kelly, Source Identification Number 03215, shall comply with the sulfur dioxide emission limits for the aggregate dryer of less than:

(1) twenty-five (25) tons per year; and

(2) forty-two (42) pounds per hour.

(b) The input of re-refined waste oil and re-refined waste oil equivalents in the one hundred twenty (120) MMBtu per hour burner for the aggregate dryer shall be limited to less than seven hundred forty thousand seven hundred twenty-five (740,725) gallons per twelve (12) consecutive month period, rolled on a monthly basis, based on maximum sulfur content of forty-five hundredths percent (0.45%) for re-refined waste oil. *(Air Pollution Control Board; 326 IAC 7-4.1-21; filed May 25, 2005, 10:50 a.m.: 28 IR 2965)*

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