SECTION 4. 326 IAC 7-4.1 IS ADDED TO READ AS FOLLOWS:

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)*

SECTION 5. 326 IAC 7-4-1.1 IS REPEALED.

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