

SECTION 10. 326 IAC 6-1-10.1, AS AMENDED AT 24 IR 1308, SECTION 1, IS AMENDED TO READ AS FOLLOWS:

**326 IAC 6-1-10.1 Lake County PM<sub>10</sub> emission requirements**

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

**Affected:** IC 13-15; IC 13-17

Sec. 10.1. (a) This section applies to the sources, facilities, and operations listed in subsection (d).

(b) The following definitions apply throughout this section:

- (1) "lbs/hr" means pounds of particulate matter emissions emitted per one (1) sixty (60) minute period.
- (2) "lbs/MMBtu" means pounds of particulate matter emissions per million British thermal units heat input of fuels fired in the source, unless otherwise stated.
- (3) "lbs/ton" means pounds of particulate matter emissions per ton of product output from the particular facility, unless otherwise stated. Byproducts which that may be sold as

## Final Rules

product shall not be included under the term "product".

(4) "gr/dscf" means grains of particulate matter per dry standard cubic foot of exhaust air.

(c) All emission limits in this section shall be PM<sub>10</sub> limits, unless otherwise stated.

(d) The following sources shall comply with the corresponding PM<sub>10</sub> and total suspended particulates (TSP) emission

limitations and other requirements in this section consistent with the provisions as applicable in subsection (k). Each emission limit applies to one (1) stack serving one (1) facility unless otherwise noted. The emission limitations apply:

(1) to one (1) stack serving the multiple units specified when the facility description notes "stack serving"; and

(2) to each stack of multiple stacks serving multiple facilities when the facility description notes "each stack serving".

<u>Source</u>	<u>Emission Limit (Units)</u>	<u>Emission Limit (lbs/hr)</u>	
(1) A. METZ Asphalt batch plant	0.180 lbs/ton	27.00	
(2) ADVANCED ALUMINUM PRODUCTS (1) JUPITER ALUMINUM CORPORATION			
Reverberatory furnace number 1	0.060 lbs/ton	0.970	
Reverberatory furnace number 2	0.142 lbs/ton	0.430	
Reverberatory furnace number 3	0.145 lbs/ton	0.510	
Reverberatory furnace number 4	0.145 lbs/ton	0.510	
Reverberatory furnace number 5	0.130 lbs/ton	1.137	
(3) AMERICAN CAN (2) SILGAN CONTAINERS MANUFACTURING CORPORATION			
Stack serving incinerators (3 units)	0.007 lbs/MMBtu	0.310	
Coil coater	0.007 lbs/MMBtu	0.290	
(4) (3) CERESTAR USA, INC.	Stack Number	lbs/hr	gr/dscf
Stack serving boiler numbers 6 and 7	10-03-U-P and 10-04-U-P	30.3	
Stack serving boiler numbers 8 and 10	10-05-U-P and 10- 06-U-P	22.7	
Activated carbon regenerating furnace	15G-01-R-F	0.34	0.01
Bulk carbon/bulk filter aid system	17-03-R-P	0.06	0.01
Corn syrup solids dust collection system number 2	18-03-R-P	0.30	0.01
Special starch (P. G.) manufacturing equipment system number 1	18-06-S-P	0.17	0.01
Special starch (P. G.) manufacturing equipment system number 2	18-07-S-P	0.084	0.01
Special starch (P. G.) manufacturing equipment system number 3C (½ system number 3)	18-08-S-P	0.12	0.01
Special starch (P. G.) manufacturing equipment system number 3D (½ system number 3)	18-09-S-P	0.12	0.01
Gluten ring dryer #1	19-03-G-P	4.76	0.015
Receiver for first stage germ dryer	21A-01-G-P	0.12	0.015
First stage germ dryer exhaust	21A-02-G-P	0.67	0.01
Equipment conveying corn dirt to dirt storage silo	30-16-G-P	0.06	0.01
Waxy feed conveyor system	31-02-G	0.27	0.01
Finished gluten conveying system (Tank 2 or 3)	31-10-G-P or 31-11-G-P	0.19	0.02
Gluten receiver	31-13-G(3/95)	0.23	0.02
Germ storage silo	31-14-G(10/95)	0.097	0.01
Corn receiving and storage-bin vent #5	33-01-G(12/95)	0.171	0.02
Corn receiving and storage-bin vent #6	33-02-G(12/95)	0.171	0.02
Corn cleaner	33-03-G(12/95)	0.21	0.01
Dextrin incoming starch, building 34	34-01-S-P	0.04	0.01

## Final Rules

Dextrin starch reactor #1	34-02-S-P	0.180	0.01
Dextrin starch cooler #1	34-03-S-P	0.042	0.01
Dextrin storage hopper, building 34	34-05-S-P	0.11	0.01
Dextrin feed hoppers: 1 and 2 (System 1)	34-06-S and	0.030	0.01
Dextrin air lock feeder	34-07-S (12/92)		
Dextrin starch cooler	34B-01-S (10/93)	0.042	0.01
Dextrin storage hopper	34B-03-S (10/93)	0.114	0.01
Dextrin starch reactor #2	34B-04-S (10/93)	0.179	0.01
Dextrin feed hoppers: 3 and 4 (System 2)	34B-05-S and	0.030	0.01
#1 and #2 Dextrin air lock feeder	34B-06-S (10/93)		
Dextrin incoming starch batch scale hopper No. 2	34B-13-S (10/93)	0.067	0.01
Feed receiver	35-05-G	0.568	0.01
Dextrin bulk loading equipment	48-09-S-P	0.26	0.01
Receiver for second stage germ dryer	51A-01-G-P	0.19	0.02
Second stage germ dryer exhaust	51A-02-G-P	1.01	0.015
Sulfate bag dumping	52-02-S-P	0.20	0.01
Starch milling system number 1	59-01-S-P	0.43	0.01
Starch milling system number 2	59-02-S-P	0.43	0.01
Starch ring dryer number 2	59-03-S-P	3.50	0.006
Stack serving starch bulk loading equipment (receiver)	76-02-S-P	0.17	0.01
Stack serving starch bulk loading equipment (Railcar loading)	76-03-S-P	0.17	0.01
Stack serving special starch (P.G.) manufacturing equipment system	85-01-S-P	0.24	0.01
Fiber drying equipment	89-01-G (10/95)	4.50	0.01
Wet fiber cyclone receiver	89-02-G (10/95)	0.178	0.01
Rotary feed dryer	89-03-G (10/95)	4.5	0.03
Milled feed hopper	89-04-G (10/95)	0.50	0.01
Feed pelletizing B	91-14-G-P	2.10	0.015
Feed pelletizing C	91-15-G-P	2.10	0.015
Feed pelletizing D	91-16-G-P	0.23	0.01
Starch conveying system number 46	93-01-W-P	0.17	0.01
Starch conveying system 47	93-02-W-P	0.17	0.02
Dextrin conveying system 48	93-03-W-P	0.17	0.01
Dried corn syrup conveying system, frodex	93-04-W-P	0.069	0.01
Corn syrup solids conveyor equipment	93-05-W-P	0.066	0.01
Stack serving starch packing systems number 1 and 2, building 93 (43 and 44)	93-06-W-P and 93-07-W-P	0.23	0.01
Frodex semibulk packing system, building 93	93-08-W-P	0.083	0.01
Each stack serving bag dump numbers 1 and 2	93-09-W-P and 93-10-W-P	0.10	0.01
Starch bulk loading	93-14-W (2/93)	0.273	0.01
Starch vacuum clean-up system	93-15-W (2/93)	0.021	0.01
Starch mixing and bagging system #1	93-16-W (5/95)	0.130	0.01
Starch mixing and bagging system #2	93-17-W (5/95)	0.264	0.01
New corn syrup spray dryer cooler system number 3 (SIP #2)	100-01-R-P	4.96	0.015
#4 corn syrup spray dryer	100-03-R (93)	4.2	0.01
Carbon regeneration furnace #2	104-01-R (2/96)	0.728	0.015
Soda ash tank	104-02-R (2/96)	0.154	0.02
Filter aid hopper	104-03-R (2/96)	0.044	0.02
Sodium bisulfate bag dump	104-05-R (2/96)	0.080	0.02

## Final Rules

Each stack serving bulk corn starch storage bin numbers 20 through 36 (five (5) stacks may operate at one time)	120-01-S-P to 120-17-S-P	0.56	0.01
Gluten dryer system	121-01-G (3/95)	3.0	0.03
Waxy feed drum dryer scrubber	124-01-G-P	11.12	0.03
Waxy feed milling equipment	124-22-G-P	0.051	0.01
Germ dryer/cooler	124A-01-G (11/94)	1.852	0.02
Starch ring dryer number 3	125-01-S-P	3.50	0.006
Waxy bulk cornstarch storage bins numbers 95 through 98 (only one (1) may operate at a time)	126-01-S-P to 126-04-S-P	0.16	0.01
BCD dryer, building 127	127-01-B-P	0.57	0.01
#1 and #2 vacuum cleaner system	127-21-B and 127-22-B (5/93)	0.031	0.01
#1 and #2 BCD storage hopper	127-23-B and 127-24-B (5/93)	0.18	0.01
BCD mill feeder hopper	127-25-B (5/93)	0.028	0.01
BCD packing hopper	127-26-B (5/93)	0.005	0.01
Special starch process with starch dryer number 4, building 128	128-01-S-P	3.5	0.01
Four products blending systems, building 93	130-01-S-P to 130-04-S-P	0.42	0.01
Dextrin blender	130-05-S (7/93)	0.248	0.01
Corn receiving and storage-bin vent #1 and #2	140-01-G and 140-02-G (12/95)	0.343	0.02
Corn receiving and storage-bin vent #3 and #4	140-03-G and 140-04-G (12/95)	0.343	0.02
Corn dump pit	140-05-G (12/95)	1.286	0.01
Corn scale system	140-06-G (12/95)	0.154	0.01
Corn elevator conveying	140-07-G (12/95)	0.086	0.01
	<u>Emission Limit</u>		<u>Emission Limit</u>
	<u>(Units)</u>		<u>(lbs/hr)</u>
<b>(5) (4) AMERICAN STEEL FOUNDRIES-EAST CHICAGO</b>			
Sand kiln and cooler	0.636 lbs/ton		16.29
Sandheater mixing	0.520 lbs/ton		11.44
Electric induction furnaces (2 units)	0.104 lbs/ton		1.248
#2 tumblast with dust collector	0.145 lbs/ton of product		0.678
#3 tumblast with dust collector	0.145 lbs/ton of product		0.678
Shakeout dust collector	0.012 lbs/ton of product		0.384
<b>(6) (5) AMERICAN STEEL FOUNDRY-HAMMOND</b>			
Stack serving coil spring grinder numbers 3-0386 and 3-0389	1.083 lbs/ton		0.045
Stack serving coil spring grinder number 3-0244	0.021 lbs/ton		0.040
Tub grinder number 3-0388	0.015 lbs/ton		2.00
Coil spring grinder number 3-0247	0.019 lbs/ton		0.03
Coil spring grinder number 3-0249	3.792 lbs/ton		1.82
Coil spring grinders numbers 3-0385, 3-295, and 3-0233	0.019 lbs/ton		0.05
Shot blast peener number 3-1804	0.011 lbs/ton		0.06
Shot blast peener number 3-1811	0.018 lbs/ton		0.06
Shot blast peener number 3-1821	0.016 lbs/ton		0.06
Shot blast peener number 3-1823	0.016 lbs/ton		0.06
Small coil manufacturing (ESP number 3-3024)	0.014 lbs/ton		0.02
Medium coil manufacturing (ESP number 3-3027)	0.700 lbs/ton		2.10
Large coil manufacturing (ESP number 3-3028)	0.700 lbs/ton		3.50
Miscellaneous coil manufacturing (ESP number 3-3026)	0.700 lbs/ton		1.05

## Final Rules

### (6) AMOCO OIL, WHITING REFINERY

Number 1 CRU, F-101 feed preheater	0.004 lbs/MMBtu	0.267
Stack serving number 1 CRU, F-102, F-201, F-202 heaters	0.004 lbs/MMBtu	0.290
Stack serving number 1 power station, boiler numbers 1, 2, 3, and 4	0.016 lbs/MMBtu	15.809
Stack serving number 1 power station, boiler numbers 5, 6, 7, and 8	0.016 lbs/MMBtu	13.244
Stack serving number 11 pipe still furnaces H-101, H-102, H-103, H-104, coke preheaters	0.004 lbs/MMBtu	0.741
Number 11 pipe still, H-1X heater	0.031 lbs/MMBtu	6.867
Number 11 pipe still, H-2 vacuum heater	0.032 lbs/MMBtu	1.440
Number 11 pipe still, H-200 crude charge	0.032 lbs/MMBtu	7.866
Number 11 pipe still, H-3 vacuum heater	0.031 lbs/MMBtu	1.704
Number 11 pipe still, H-300 furnace	0.031 lbs/MMBtu	4.931
Stack serving number 12 pipe still, H-1A and H-1B preheaters and H-2 vacuum heater	0.025 lbs/MMBtu	16.348
Each stack serving number 12 pipe still, H-1CN and H-1CS crude preheater	0.004 lbs/MMBtu	0.444
Number 12 pipe still, H-1CX crude preheater	0.004 lbs/MMBtu	0.924
Number 2 isomerization, F-7 furnace	0.004 lbs/MMBtu	0.085
Number 2 isomerization, H-1 feed heater furnace	0.004 lbs/MMBtu	0.704
Each stack serving number 3 power station, boiler numbers 1, 2, 3, 4, and 6	0.030 lbs/MMBtu	17.49
Number 3 ultraformer, F-7 furnace	0.004 lbs/MMBtu	0.085
Number 3 ultraformer, H-1 feed heater furnace	0.004 lbs/MMBtu	0.852
Number 3 ultraformer, H-2 feed heater furnace	0.004 lbs/MMBtu	0.685
Number 3 ultraformer, waste heat recovery unit	0.004 lbs/MMBtu	1.537
Stack serving number 37 pipe still, B-1 feed preheater, B-2 wax fractioner	0.018 lbs/MMBtu	1.903
Stack serving number 4 ultraformer, F-1 ultrafiner furnace F-8A and F-8B reboilers	0.004 lbs/MMBtu	1.459
Number 4 ultraformer, F-2 preheater furnace	0.004 lbs/MMBtu	1.059
Number 4 ultraformer, F-3 number 1 reheat furnace	0.004 lbs/MMBtu	0.896
Stack serving number 4 ultraformer, F-4 number 2 reheat furnace, F-5 number 3 reheat furnace, and F-6 number 4 reheat furnace	0.004 lbs/MMBtu	1.060
Number 4 ultraformer, F-7 furnace	0.004 lbs/MMBtu	0.159
Aromatics recovery unit, F-200A furnace	0.004 lbs/MMBtu	0.924
Aromatics recovery unit, F-200B furnace	0.004 lbs/MMBtu	0.924
Blending oil desulphurization, F-401 furnace	0.004 lbs/MMBtu	0.130
Cat feed hydrotreating unit	0.004 lbs/MMBtu	0.246
F-1 Berry Lake distillate heater	0.004 lbs/MMBtu	0.048
F-2 Steiglitz Park residual heater	0.008 lbs/MMBtu	0.208
Stack serving heavy oils unit, H-101, H-201, H-202	0.004 lbs/MMBtu	0.030
NMP extraction unit, B-105 furnace	0.023 lbs/MMBtu	1.174
NMP extraction unit, B-106 furnace	0.004 lbs/MMBtu	0.352
Oil hydrotreating unit	0.004 lbs/MMBtu	0.059
Sulfur recovery unit incinerator	0.004 lbs/MMBtu	0.090
Asphalt oxidizer number 1	0.000 lbs/ton	0.000
Asphalt oxidizer number 2	0.000 lbs/ton	0.000
Asphalt oxidizer number 3	0.000 lbs/ton	0.000
Tail gas unit (new)	0.110 lbs/ton	0.103
Wastewater sludge fluid bed incinerator	0.173 lbs/ton based on 79,000 lbs/hr fluidizing air flow	6.84
FCU 500	1.220 lbs/1,000 lbs coke burned	73.20
FCU 600	1.10 lbs/1,000 lbs coke burned	55.00
DDU WB-301	0.004 lbs/MMBtu	0.250
DDU WB-302	0.004 lbs/MMBtu	0.240
Hydrogen unit B-1	0.009 lbs/MMBtu	3.340

**Final Rules**

<del>(8)</del> (7) ASSOCIATED BOX Wood chip fired space heating boiler	0.810 lbs/MMBtu	4.450
<del>(9)</del> ATLAS BLACKTOP Drum mix asphalt plant	0.025 lbs/ton	4.440
<del>(10)</del> (8) BUCKO CONSTRUCTION Rotary dryer	0.017 lbs/hr	4.440
<del>(11)</del> C and A WALLCOVERING Scotch marine boiler	0.007 lbs/MMBtu	0.095
<del>(12)</del> CERTIFIED CONCRETE INC. (9) SMITH READY MIX Central mix	0.0013 lbs/ton	0.350
<del>(13)</del> COMMONWEALTH EDISON COMPANY (10) STATE LINE ENERGY, LLC Unit 3	0.100 lbs/MMBtu	213.00
Unit 4	0.100 lbs/MMBtu	356.80
<del>(14)</del> (11) E.I. DUPONT Sodium silicate furnace	1.439 lbs/ton	6.0
<del>(15)</del> EAST CHICAGO INCINERATOR Each stack serving incinerator (2 units)	0.010 gr/dscf	3.470
<del>(16)</del> (12) GENERAL REFRACTORY Ball milling storage	0.041 lbs/ton	0.410
Crushing and sizing	0.012 lbs/ton	0.460
Material handling system	0.003 lbs/ton	0.220
Material loading	0.006 lbs/ton	0.150
Material weighing	0.064 lbs/ton	0.350
Mixing and packaging	0.354 lbs/ton	2.480
Sizing, conveying, and storage	0.029 lbs/ton	0.580
<del>(17)</del> (13) GEORGIA PACIFIC Boiler number 1	0.129 lbs/MMBtu	9.380
<del>(18)</del> (14) GLOBE INDUSTRIES Stack serving asphalt saturators (2 units)	0.060 lbs/ton of product	4.500
<del>(19)</del> (15) HAMMOND LEAD PRODUCTS-HALOX PLANT GROUP INC. (HGI) Stack 17-S-40	0.030 gr/dscf	2.120
Stack 20-S-36	0.022 gr/dscf	0.395
Stack 20-S-41	0.022 gr/dscf	0.450
Stack 20-S-37	0.022 gr/dscf	0.200
Stack 20-S-38	0.022 gr/dscf	0.087
Stack 17-S-25	0.030 gr/dscf	2.120
Stack 20-S-42	0.022 gr/dscf	0.200
Stack 20-S-43	0.022 gr/dscf	0.087
Stack 20-S-39	0.022 gr/dscf	0.496
Stack 20-S-44	0.022 gr/dscf	0.496
Stack 13-S-48	0.022 gr/dscf	0.471
Stack 14-S-45	0.022 gr/dscf	0.471
<del>(20)</del> (16) HAMMOND LEAD-HALSTAB PLANT GROUP INC. - HALSTAB DIVISION Stack S-1	0.022 gr/dscf	0.220
Stack S-2	0.022 gr/dscf	0.080
Stack S-4	0.022 gr/dscf	1.460
Stack S-5	0.022 gr/dscf	1.030
Stacks S-6, S-7, and S-8, each stack	0.022 gr/dscf	0.570
Stacks S-9, S-10, S-11, S-12, S-13, S-14, S-15, and S-16, each stack	0.022 gr/dscf	0.200
Stack S-17	0.022 gr/dscf	1.990

## Final Rules

### (21) (17) HAMMOND LEAD PRODUCTS-LEAD PLANT GROUP INC. (HGI)

Stack 1-S-54	0.0 gr/dscf	0.000
Stack 4A-S-8	0.022 gr/dscf	0.250
Stack 14-S-16	0.022 gr/dscf	0.250
Stack 1-S-2	0.022 gr/dscf	0.250
Stack 1-S-26	0.022 gr/dscf	0.250
Stack 16-S-56	0.022 gr/dscf	1.000
Stack 1-S-52	0.022 gr/dscf	1.000
Stack 1-S-27	0.022 gr/dscf	0.290
Stack 4-S-35	0.022 gr/dscf	0.570
Stack 6-S-33	0.022 gr/dscf	0.900
Stack 4B-S-34	0.022 gr/dscf	0.400
Stack 6-S-47	0.022 gr/dscf	0.400
V-1	0.022 gr/dscf	1.000
Stack 14-S-15	0.022 gr/dscf	0.320

### (22) (18) HARBISON-WALKER REFRACTORIES, HAMMOND WORKS

Each stack serving tunnel kiln numbers 1 (S-6) and 2 (S-3)	1.36 lbs/ton	4.50
Each stack serving tunnel kiln numbers 1 (S-6) and 2 (S-3) if only one kiln is in operation	1.36 lbs/ton	8.40
Lanley oven (S-7)	0.210 lbs/ton	0.840
Basic dryer (stack 8)	0.916 lbs/ton	3.020
Chrome ore crushing (D-9)	0.024 lbs/ton	0.490
Chrome ore rotary dryer (D-10)	0.032 lbs/ton	0.640
Chrome ore handling (D-11) and storage	0.020 lbs/ton	0.410
Chrome ore screening (D-12) and milling	0.078 lbs/ton	1.240
Chrome ore finished (D-13) material handling and storage	0.044 lbs/ton	0.700
Magnesite unloading and crushing (D-18)	0.017 lbs/ton	0.580
Magnesite material handling and storage (D-2)	0.012 lbs/ton	0.410
Magnesite screening and milling (D-8)	0.051 lbs/ton	1.280
Specialty magnesite handling system (D-16)	0.097 lbs/ton	0.260
Magnesite chrome ore mixer number 3 (D-6)	0.033 lbs/ton	0.230
Magnesite chrome ore mixer number 2 and flat mixer (D-5)	0.033 lbs/ton	0.460
Magnesite chrome ore mixer number 1 (D-4)	0.033 lbs/ton	0.230
Magnesite carbon mixers (D-7)	0.054 lbs/ton	0.460
Magnesite smooth roll crusher system (D-15)	0.067 lbs/ton	0.500
Magnesite auxiliary milling system (D-14)	0.086 lbs/ton	0.170

### (23) (19) INLAND STEEL

Number 4 slab mill scarfer	0.039 lbs/ton	21.97
Number 2A bloomer scarfer	0.107 lbs/ton	10.70
Mold foundry baghouse	0.011 gr/dscf	26.00
Sinter plant discharge end and cooler baghouse	0.01 gr/dscf TSP	11.70 TSP
Sinter plant windbox baghouse	0.007 gr/dscf TSP	17.00 TSP
Lime plant silo baghouses	0.085 lbs/ton	5.530
Lime plant firing and kiln baghouses	0.110 lbs/ton	7.149
Number 4 roll shop ervin blaster/baghouse	0.0052 gr/dscf TSP	0.210 TSP
Number 4 roll shop wheelabrator baghouse	0.0052 gr/dscf TSP	0.260 TSP
Number 4A roll shop ervin blaster/baghouse	0.0052 gr/dscf TSP	0.210 TSP
Number 4A roll shop pangborn blaster/baghouse	0.0052 gr/dscf TSP	0.260 TSP
Number 2 roll shop pangborn blaster/baghouse	0.0052 gr/dscf TSP	0.270 TSP
Number 6 roll shop roll blaster/baghouse	0.0052 gr/dscf TSP	0.200 TSP
Electric shop blasters/baghouses	0.0052 gr/dscf TSP	1.070 TSP
Number 11 coke battery preheaters (2 units)	0.00	0.00
Number 11 coke battery shed baghouse	0.00	0.00
Number 6 coke battery underfire stack	0.00	0.00
Number 7 coke battery underfire stack	0.00	0.00

## Final Rules

Number 8 coke battery underfire stack	0.00	0.00
Number 9 coke battery underfire stack	0.00	0.00
Number 10 coke battery underfire stack	0.00	0.00
Number 11 coke battery underfire stack	0.00	0.00
Number 7B blast furnace canopy baghouse	0.003 gr/dscf	11.22
Number 7 blast furnace stockhouse pellet baghouse	0.0052 gr/dscf	4.00
Number 7 blast furnace casthouse baghouse	0.011 gr/dscf TSP	22.00 TSP
Number 7 blast furnace coke screening baghouse	0.007 gr/dscf TSP	4.200 TSP
Number 7 blast furnace stockhouse coke baghouse	0.01 gr/dscf TSP	2.00 TSP
Number 1 blast furnace stoves (4 units)	0.000	0.000
Number 2 blast furnace stoves (4 units)	0.000	0.000
Number 2 basic oxygen furnace number 10 furnace stack	0.058 lbs/ton TSP	16.00 TSP
Number 2 basic oxygen furnace number 20 furnace stack	0.058 lbs/ton TSP	16.00 TSP
Number 2 basic oxygen furnace caster fume collection baghouse	0.0052 gr/dscf TSP	2.00 TSP
Number 2 basic oxygen furnace ladle metallurgical station baghouse	0.0052 gr/dscf TSP	2.00 TSP
Number 2 basic oxygen furnace secondary ventilation system scrubber	0.015 gr/dscf TSP	12.00 TSP
Number 2 basic oxygen furnace tundish dump baghouse	0.0052 gr/dscf TSP	2.200 TSP
Number 2 basic oxygen furnace charging aisle reladling and desulfurization baghouse	0.011 gr/dscf TSP	28.30 TSP
Number 2 basic oxygen furnace truck and ladle hopper baghouse	0.0052 gr/dscf TSP	0.800 TSP
Number 2 basic oxygen furnace flux storage and batch baghouse	0.0052 gr/dscf TSP	0.530 TSP
Number 4 basic oxygen furnace reladling and desulfurization baghouse	0.0052 gr/dscf TSP	8.26 TSP
Number 4 basic oxygen furnace scrubber stack (steelmaking)	0.187 lbs/ton TSP	100.00 TSP
Number 4 basic oxygen furnace vacuum degassing baghouse	0.01 gr/dscf TSP	4.280 TSP
Number 4 basic oxygen furnace secondary ventilation system baghouse	0.006 gr/dscf TSP	22.30 TSP
Stack serving blast furnace stove, number 5 (3 units)	0.016 lbs/MMBtu	4.70
Stack serving blast furnace stove, number 6 (4 units)	0.016 lbs/MMBtu	3.64
Stack serving blast furnace stove, number 7 (3 units)	0.0076 lbs/MMBtu	6.32
Stack serving "A" blast furnace stoves (3 units)	0.021 lbs/MMBtu	5.090
Stack serving "B" blast furnace stoves (3 units)	0.021 lbs/MMBtu	5.090
100 inch plate mill reheat furnace	0.078 lbs/MMBtu	13.74
Number 2 bloom mill soaking pit, numbers 1 through 4	0.000	0.000
Number 2 bloom mill soaking pit numbers 5 through 16 collective	0.000	0.000
Number 2 bloom mill soaking pit numbers 19 through 20 collective	0.000	0.000
Number 4 slabber soaking pit numbers 1 through 18 collective	0.0 lbs/MMBtu	0.0
Number 4 slabber soaking pit numbers 19 through 45 collective	0.006 lbs/MMBtu	1.750
Stack serving number 2AC station boiler numbers 207 through 210	0.000	0.000
Stack serving number 2AC station boiler numbers 211 through 213	0.018 lbs/MMBtu	16.20
Stack serving number 3AC station boiler numbers 301 through 304	0.018 lbs/MMBtu	16.20
Number 3AC station boiler number 305	0.018 lbs/MMBtu	5.400
Stack serving number 4AC station boiler number 401 through 404	0.042 lbs/MMBtu	76.578
Number 4AC station boiler number 405	0.028 lbs/MMBtu	18.78
Stack serving number 5 boiler house (3 units)	0.013 lbs/MMBtu	18.05
Electric arc furnace shop direct shell evacuation system baghouse roof monitor	0.0052 gr/dscf	17.14
Electric arc furnace shop ladle metallurgical station baghouse	0.01 gr/dscf	0.820
Coal conveyor transfer baghouse A	0.003 gr/dscf	0.17
Blending system baghouse B	0.003 gr/dscf	0.54
Coal storage bin baghouse C	0.003 gr/dscf	0.23
Coal pulverizer baghouse D	0.0015 gr/dscf	0.93
Coal pulverizer baghouse E	0.0015 gr/dscf	0.93
Number 7 blast furnace coal storage bin baghouse F	0.003 gr/dscf	0.09
Number 7 blast furnace coal storage bin baghouse G	0.003 gr/dscf	0.09
Numbers 5 and 6 blast furnace coal storage bin baghouse H	0.003 gr/dscf	0.09
<b>(24) (20) KEIL CHEMICAL DIVISION OF FERRO CORPORATION</b>		
Cleaver Cleaver brooks boiler B-4	0.007 lbs/MMBtu	0.09
Cleaver Cleaver brooks boiler B-5	0.007 lbs/MMBtu	0.14

## Final Rules

VA power B-3 boiler	0.007 lbs/MMBtu	0.04
Chlorinated wax process	0.001 lbs/ton	0.003
Pyro-chek 68PB1	0.052 lbs/ton	0.030
Pyro-chek 77PB2	0.122 lbs/ton	0.040
Sulfurized fat process	0.157 lbs/ton	0.230
<b>(25) KEYES FIBER (21) THE CHINET COMPANY</b>		
Molded pulp dryer number 1	0.546 lbs/ton	0.210
Molded pulp dryer number 2	0.546 lbs/ton	0.250
Molded pulp dryer number 3	0.546 lbs/ton	0.290
Molded pulp dryer number 4	0.546 lbs/ton	0.290
Molded pulp dryer number 5	0.546 lbs/ton	0.130
Molded pulp dryer number 6	0.546 lbs/ton	0.130
Molded pulp dryer number K34	0.546 lbs/ton	0.130
Molded pulp dryer number 8	0.546 lbs/ton	0.350
Molded pulp dryer number 9	0.546 lbs/ton	0.410
Molded pulp dryer number 10	0.546 lbs/ton	0.350
Babcock and Wilcox boiler	0.007 lbs/MMBtu	0.050
<b>(26) (22) LTV STEEL CORPORATION</b>		
Stack serving number 3 blast furnace stoves	0.027 lbs/MMBtu	11.73
Stack serving number 4 blast furnace stoves	0.027 lbs/MMBtu	12.93
Stack serving hot strip mill slab heat furnace numbers 1, 2, and 3	0.086 lbs/MMBtu	36.56
Utility boiler number 3	0.066 lbs/MMBtu	12.85
Utility boiler number 4	0.066 lbs/MMBtu	12.85
Utility boiler number 5	0.066 lbs/MMBtu	25.69
Utility boiler number 6	0.066 lbs/MMBtu	25.69
Utility boiler number 7	0.066 lbs/MMBtu	25.69
Utility boiler number 8	0.066 lbs/MMBtu	61.59
Basic oxygen furnace main stack	0.018 gr/dscf	69.40
Reladling and desulfurization baghouse	0.008 gr/dscf	10.49
Ladle metallurgical station baghouse	0.004 gr/dscf	3.630
Sinter plant breaker discharge end	0.02 gr/dscf TSP	18.05 TSP
Sinter plant windbox stack 08	0.02 gr/dscf TSP	49.70 TSP
<b>(27) LEHIGH PORTLAND CEMENT</b>		
Raw ball mill RRM-1	0.085 lbs/ton	2.680
Pelletizer PP-1	0.051 lbs/ton	1.130
Pelletizer PP-2	0.051 lbs/ton	1.130
Green pellet dryer	0.111 lbs/ton	4.400
Preheater KP	0.198 lbs/ton	4.000
KK-1 calcinator aluminate rotary kiln-lumnite plant	0.433 lbs/ton	8.670
Clinker cooler	0.556 lbs/ton	13.22
Finish ball mill	0.079 lbs/ton	1.660
Oil fired boiler	0.006 lbs/MMBtu	0.070
Number 1 bulk tank	0.001 lbs/ton	0.024
Number 2 bulk tank	0.001 lbs/ton	0.024
Number 3 bulk tank	0.001 lbs/ton	0.024
Silo baghouse number 1	0.120 lbs/ton	1.800
Silo baghouse number 2	0.120 lbs/ton	1.800
Silo baghouse number 3	0.120 lbs/ton	1.800
Silo baghouse number 4	0.120 lbs/ton	1.800
Heated hammermill	0.0032 lbs/ton	0.192
<b>(28) LEVER BROTHERS (23) UNILEVER HPC, USA</b>		
Boiler house, building number 8, boiler number 2	0.116 lbs/MMBtu	9.570
Stack serving boiler house, building number 8, boiler numbers 3 and 4	0.116 lbs/MMBtu	18.88
Dowtherm boiler, DEFI process building 6	0.004 lbs/MMBtu	2.700
Milling and pelletizer soap dust collection system (DC-1), building number 15	0.020 gr/dscf	1.03

## Final Rules

Powder dye dust collector system (DC-4), building number 15	0.020 gr/dscf	0.130
Schenble wet scrubber and demister collector system, building number 15	0.030 gr/dscf	1.030
Each stack serving detergent bar soap noodle bins numbers 1, 2, and 3 dust collection system (DC-5, DC-6, and DC-7)	0.020 gr/dscf	0.210
Stack serving chip mixers numbers 1, 2, and 3 soap dust collection system, building number 15 (DC-8, DC-9, and DC-10)	0.020 gr/dscf	0.720
Rework soap dust collection system (DC-3), building number 15	0.020 gr/dscf	0.800
Three chill rolls and apron conveyors (DC-2), building number 15	0.020 gr/dscf	1.090
High titer granules and chips manufacturing process, building number 6	0.930 lbs/ton	3.500
Detergent bar soap manufacturing process number 1, stack 7, building number 6	1.140 lbs/ton	4.000
Detergent bar soap manufacturing process number 2, stack 16A, building number 6	1.140 lbs/ton	4.000
Bulk filtrol unloading bleached earth dust collection system, building number 1	0.020 gr/dscf	0.070
Oil refinery/filter aid bag dumping operation, building number 1	0.020 gr/dscf	0.220
3 soap dryers dust collection system, building number 14	0.020 gr/dscf	0.120
6 noodle bins and 1 scrap kettle dust collection system, building number 3	0.020 gr/dscf	0.860
Dust collector system for soap rework grinding process, building number 14	0.020 gr/dscf	0.250
Stack serving hard soap finishing lines numbers 1, 2, 3, 5, 7, and 8 dust collection system (DC), building number 14	0.020 gr/dscf	1.540
Sulfonation process	0.205 lbs/ton	0.390
Soap dryer cleanout system, tank number 1, building number 14	0.030 gr/dscf	0.390
Soap dryer cleanout system, tank number 2, building number 14	0.030 gr/dscf	0.300
Crude glycerine filter aid dust collection system, building number 2	0.020 gr/dscf	0.130
Glycerine carbon handling dust collection system, building number 2	0.020 gr/dscf	0.170
Bulk urea handling system, new detergent bulk soap, building number 15A	0.020 gr/dscf	0.100
American hydrotherm boiler 2, stack 1A, building number 15A	0.150 lbs/MMBtu	1.830
Schenble wet scrubber and demister collection system, stack 2A, building number 15A	0.030 gr/dscf	1.030
Flex Kleen dust collection system DC-1053, stack 3A, building number 15A	0.020 gr/dscf	0.940
Flex Kleen dust collection system DC-1054, stack 4A, building number 15A	0.020 gr/dscf	0.940
Flex Kleen dust collection system DC-1055, stack 5A, building number 15A	0.020 gr/dscf	0.940
Flex Kleen dust collection system DC-1056, stack 6A, building number 15A	0.020 gr/dscf	0.940
Flex Kleen dust collection system DC-1050, stack 7A, building number 15A	0.020 gr/dscf	2.130
Flex Kleen dust collection system DC-1052, stack 8A, building number 15A	0.020 gr/dscf	2.130
Bulk Borax unloading to storage silo, stack 9A, building number 8	0.020 gr/dscf	0.130
Oil refinery/filter aid mixing tank number 44, building number 1, stack 15A	0.060 lbs/ton	0.030
Sample detergent bar soap line operation, building 14, stack 17A	0.002 lbs/ton	0.002
<b>(29) (24) MARBLEHEAD LIME COMPANY</b>		
Flue dust loadout number 1 (MHL 14)	0.003 lbs/ton	0.110
Flue dust loadout number 2 (MHL 15)	0.003 lbs/ton	0.100
Lime grinder (MHL 13)	0.015 lbs/ton	0.440
Lime handling baghouse number 1 (MHL 6)	0.002 lbs/ton	0.260
Lime handling baghouse number 2 (MHL 7)	0.002 lbs/ton	0.180
Lime handling baghouse number 3 (MHL 8)	0.0004 lbs/ton	0.050
Lime handling baghouse number 4 (MHL 9)	0.001 lbs/ton	0.130
Lime loadout baghouse number 1 (MHL 10)	0.0004 lbs/ton	0.050
Lime loadout baghouse number 2 (MHL 11)	0.0004 lbs/ton	0.050
Lime loadout baghouse number 3 (MHL 12)	0.004 lbs/ton	0.410
Lime rotary kiln number 1	0.478 lbs/ton	9.950
Lime rotary kiln number 2	0.478 lbs/ton	9.950
Lime rotary kiln number 3	0.478 lbs/ton	9.950
Lime rotary kiln number 4	0.478 lbs/ton	9.950
Lime rotary kiln number 5	0.478 lbs/ton	9.950
<b>(30) (25) MARPORT SMELTING</b>		
North baghouse	0.601 lbs/ton	2.300
South baghouse	1.279 lbs/ton	4.900

## Final Rules

~~(26)~~ **(26) METHODIST HOSPITAL**

Boiler number 1	0.044 lbs/MMBtu	0.350
-----------------	-----------------	-------

~~(27)~~ **(27) NATIONAL RECOVERY SYSTEMS**

Drying system	0.203 lbs/ton	4.060
---------------	---------------	-------

Material storage handling	0.034 lbs/ton	0.680
---------------------------	---------------	-------

Each stack serving lime fines storage silos (two (2) stacks)	0.001 lbs/ton	0.012
--	---------------	-------

~~(28)~~ **(28) NIPSCO-MITCHELL**

(A) Boiler numbers 4, 5, 6, and 11:

(i) Operation under either item (ii)(BB) or (ii)(CC) shall only be allowed provided that a nozzle is in the stack serving boiler numbers 4 and 5 such that the stack diameter is restricted to eight and three-tenths (8.3) feet.

(ii) NIPSCO may operate under any one (1) of the following scenarios:

(AA) Boiler numbers 4, 5, 6, and 11 may operate simultaneously under the following conditions:

(aa) One (1) of boiler number 4 or 5 may operate on coal if the other boiler is operated on natural gas or is not operating. Particulate emissions from the stack serving boiler numbers 4 and 5 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu and one hundred twenty-eight and seventy-five hundredths (128.75) pounds per hour.

(bb) Boiler numbers 6 and 11 may operate simultaneously on coal. Particulate emissions from the stack serving boiler numbers 6 and 11 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu and two hundred thirty-six ~~(236.0)~~ **(236)** pounds per hour.

(BB) Boiler numbers 4, 5, 6, and 11 may operate simultaneously on coal subject to the following conditions:

(aa) Particulate emissions from the stack serving boiler numbers 4 and 5 shall be limited to seventy-four thousandths (0.074) pound per million Btu and one hundred eighty-five ~~(185.0)~~ **(185)** pounds per hour.

(bb) Particulate emissions from the stack serving boiler numbers 6 and 11 shall be limited to seventy-four thousandths (0.074) pound per million Btu and one hundred seventy-five ~~(175.0)~~ **(175)** pounds per hour.

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

(aa) Particulate emissions from the stack serving boiler numbers 4 and 5 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu and two hundred fifty ~~(250.0)~~ **(250)** pounds per hour.

(bb) Particulate emissions from the stack serving boiler numbers 6 and 11 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu and two hundred thirty-six ~~(236.0)~~ **(236)** pounds per hour.

(iii) NIPSCO shall maintain a daily log of the following for boiler numbers 4, 5, 6, and 11:

(AA) Fuel type.

(BB) 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.

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

(B) Upon the effective date of this amended rule, biennial stack testing shall be conducted in the stack serving boiler numbers 4 and 5 and in the stack serving boiler numbers 6 and 11, meeting the following conditions:

(i) Stack testing shall begin within sixty (60) days and be completed within ninety (90) days of the initial utilization of the operating scenario specified in clause (A)(ii)(BB). Particulate emissions from boiler numbers 4, 5, 6, and 11 shall be limited to seventy-four thousandths (0.074) pound per million Btu.

- (ii) After the initial stack test specified in item (i), NIPSCO may utilize the operating scenario specified in clause (A)(ii)(BB) if in the previous biennial stack test particulate emissions from boiler numbers 4, 5, 6, and 11 met the emission limitation of seventy-four thousandths (0.074) pound per million Btu.
- (iii) If the operating scenario specified in clause (A)(ii)(BB) has not been utilized since the previous biennial stack test specified in this clause, then particulate emissions from boiler numbers 4, 5, 6, and 11 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu.
- (iv) If the operating scenario specified in clause (A)(ii)(BB) has been utilized since the previous biennial stack test specified in this clause, and NIPSCO no longer has the ability to operate the boilers as specified in clause (A)(ii)(BB), then particulate emissions from boiler numbers 4, 5, 6, and 11 shall be limited to one-tenth ~~(0.100)~~ **(0.1)** pound per million Btu.

All emissions testing shall be conducted in accordance with the procedures specified in 326 IAC 3-6. Records of stack test data shall be maintained for a minimum of five (5) years and shall be made available to the department and U.S. EPA upon request.

~~(34)~~ **(29) PREMIER CANDY COMPANY**

Boiler number 1 (North)	0.069 lbs/MMBtu	0.420
Boiler number 2 (South)	0.069 lbs/MMBtu	0.450

~~(35)~~ **QUANEX (30) LASALLE STEEL COMPANY**

Fume scrubber	0.015 lbs/ton	0.060
Number 11 furnace precipitator	0.548 lbs/ton	0.940
Stack serving shot blast baghouse (2 units)	0.001 lbs/ton	0.020

~~(36)~~ **(31) REED MINERALS PLANT #14**

Fluidized bed dryer	0.015 gr/dscf	3.5
Crushing and screening	0.015 gr/dscf	9.0

~~(37)~~ **RHONE POULENC (32) RHODIA, INC.**

Package boiler	0.007 lbs/MMBtu	0.755
Preheater	0.007 lbs/MMBtu	0.230
Sulfuric acid production unit number 3	<del>0.150 lbs/ton acid produced</del>	<del>1.560 acid mist</del>
Sulfuric acid production unit number 4	0.150 lbs/ton acid produced	6.958 acid mist

~~(38)~~ **UNION CARBIDE (33) PRAXAIR**

Cylinder paint spray booth, stack 033	42.5 lbs/ton	0.340
Drum+ shotblaster and baghouse, stack 075	0.002 gr/dscf	0.028
Drum paint spray booth, stack 073	42.5 lbs/ton	0.340
Cylinder shotblaster number 2 baghouse, stack 030	0.004 gr/dscf	0.042
Generators, numbers 1 through 6	0.008 lbs/MMBtu	0.279
Cylinder shotblaster number 1 baghouse, stack 031	0.002 gr/dscf	0.020

~~(39)~~ **(34) UNION TANK CAR COMPANY**

Grit blaster	0.002 lbs/ton	0.020
--------------	---------------	-------

~~(40)~~ **(35) U.S. GYPSUM COMPANY**

Raw material handling		
Rail car unloading, stack J10	0.010 gr/dscf	0.070
Each stack serving raw material conveying and storage, stacks J11, J12, and J13	0.015 gr/dscf	0.190
Rock handling process		
Drying, grinding, and calcining, stack M1	0.012 gr/dscf	3.210
Stucco elevating and conveying, stack M2	0.015 gr/dscf	2.210
Franklin fiber process, stack M6	0.011 gr/dscf	0.313
Wallboard manufacturing process		
Paper grinding and stucco system, stack B1	0.020 gr/dscf	2.230
Wallboard end sawing, stack B2	0.020 gr/dscf	0.860

## Final Rules

Speciality board manufacturing process (kerfing), stack B3	0.020 gr/dscf	0.260
Each stack serving ready mix process, stacks J1, J2, and J3	0.017 lbs/ton	0.100
Dry texture paint process		
Mixing and packing, stack J4	0.020 gr/dscf	0.190
Bag dumping, stack J5	0.010 gr/dscf	0.100
Dry additive conveying, stack J6	0.010 gr/dscf	0.030
Dry joint compound process		
Mixing and packing, stack J7	0.020 gr/dscf	0.340
Additive air conveying, stack J8	0.010 gr/dscf	<del>0.020</del> 0.34
Panel saw process	0.020 gr/dscf	0.140
<del>(41) U.S. REDUCTION COMPANY</del>		
Crusher system	<del>0.187 lbs/ton raw material</del>	<del>2.810</del>
Milling system number 1	<del>0.180 lbs/ton raw material</del>	<del>2.700</del>
Milling system number 2	<del>0.180 lbs/ton raw material</del>	<del>1.260</del>
Reverberatory furnaces numbers 1, 2, 3, and 5 and borings dryer. Only 3 furnaces and the borings chip dryer shall operate at the same time while operating 4 baghouses identified as numbers 1, 2, 3, and 5.	<del>0.271 lbs/ton aluminum produced</del>	<del>8.370</del>
<del>(42) (36) USS-Gary Works</del>		
Each stack serving number 3 sinter plant coolers	0.03 gr/dscf TSP	154.3 TSP
Number 3 sinter plant discharge area baghouse	0.02 gr/dscf	5.12
Number 3 sinter plant screening station baghouse S1/S2 baghouse	0.0052 gr/dscf	7.5
Number 3 sinter plant storage bins building baghouse	0.0052 gr/dscf	0.83
Each stack serving number 3 sinter plant windbox stacks	0.01 gr/dscf	1.300
Number 2 QBOP flux handling lime baghouse	0.065 gr/dscf TSP	167.1
Coke battery number 2 underfire stack	0.01 gr/dscf	2.600
Coke battery number 3 underfire stack	0.05 gr/dscf	27.54
Coke battery number 5 underfire stack	0.05 gr/dscf	42.140
Coke battery number 7 underfire stack	0.05 gr/dscf	16.80
Each stack serving number 2 precarbon building precipitators (3 units)	0.05 gr/dscf	20.40
Each stack serving number 3 precarbon building precipitators (3 units)	0.06 gr/dscf	2.5
Each stack serving number 1 BOP gas cleaning (2 units)	0.06 gr/dscf	2.5
Each stack serving number 2 QBOP gas cleaning (2 units)	0.02 gr/dscf	17.2
Number 2 QBOP hot metal desulfurization baghouse (8 stacks)	0.02 gr/dscf	18.20
New 2 QBOP secondary baghouse	0.0052 gr/dscf	1.44
Number 1 basic oxygen furnace iron desulfurization baghouse	0.0052 gr/dscf	25.9
Number 2 QBOP ladle metal baghouse number 1	0.01 gr/dscf	9.32
Number 2 QBOP ladle metal baghouse number 2	0.01 gr/dscf	6.86
Number 2 QBOP ladle metallurgy facility number 3 reheat furnace hot fume extraction and material handling baghouse	0.01 gr/dscf	2.44
Number 13 blast furnace sinter screening station number 13 baghouse	0.01 gr/dscf	4.33
Stack serving blast furnace stove number 4	0.02 gr/dscf	2.5
Stack serving blast furnace stove number 6	0.029 lbs/MMBtu	11.60
Stack serving blast furnace stove numbers 7 and 8	0.029 lbs/MMBtu	11.6
Stack serving blast furnace stove number 13	0.029 lbs/MMBtu	23.20
Each stack serving boiler house number 4	0.015 lbs/MMBtu	21.20
Number 2 coke plant boiler house, boiler number 3	0.036 lbs/MMBtu	13.155
Stack serving number 2 coke plant boiler house, boiler numbers 4 and 5	0.020 lbs/MMBtu	2.7
Number 2 coke plant boiler house, boiler number 6	0.033 lbs/MMBtu	10.0
Number 2 coke plant boiler house, boiler number 7	0.020 lbs/MMBtu	3.000
Number 2 coke plant boiler house, boiler number 8	0.011 lbs/MMBtu	1.800
Number 2 coke plant boiler house, boiler number 8	0.011 lbs/MMBtu	2.61

## Final Rules

Each stack serving turboblower boiler numbers 1 through 5	0.025 lbs/MMBtu	8.400
Turboblower boiler number 6	0.025 lbs/MMBtu	16.58
Each stack serving 84 inch hot strip mill, reheat furnaces (four (4) units)	0.064 lbs/MMBtu	28.2
84 inch hot strip mill, waste heat boiler number 1	0.064 lbs/MMBtu	10.9
84 inch hot strip mill, waste heat boiler number 2	0.064 lbs/MMBtu	12.8
Each stack serving 160/210 inch plate mill, batch reheat furnace numbers 1 through 4	0.011 lbs/MMBtu	0.33
160/210 inch plate mill, continuous reheat furnace number 1	0.011 lbs/MMBtu	2.75
160/210 inch plate mill, continuous reheat furnace number 2	0.011 lbs/MMBtu	2.75
Stack serving 160/210 inch continuous heat treating furnaces 1, 2, 3, and 4	0.011 lbs/MMBtu	1.1

(e) The following opacity limits shall be complied with and shall take precedence over those in 326 IAC 5-1-2 with which they conflict:

<u>Source</u>	<u>Opacity</u>
<b>EAST CHICAGO INCINERATOR</b>	<b>10%, 6 minute average</b>
<b>INLAND STEEL</b>	
Electric arc furnace direct shell evacuation system baghouse	5%, 6 minute average
Electric furnace shop roof monitor	20%, 6 minute average
Electric furnace shop ladle metallurgical station baghouse	5%, 6 minute average
Number 2 basic oxygen furnace, number 10 furnace off-gas scrubber	20%, 6 minute average
Number 2 basic oxygen furnace, number 20 furnace off-gas scrubber	20%, 6 minute average
Number 2 basic oxygen furnace caster fume collection baghouse	5%, 3 minute average
Number 2 basic oxygen furnace charging isle and reladling desulfurization baghouse	5%, 3 minute average
Number 2 basic oxygen furnace flux storage and batch baghouse	5%, 3 minute average
Number 2 basic oxygen furnace ladle metallurgy station baghouse	5%, 3 minute average
Number 2 basic oxygen furnace roof monitor	20%, 3 minute average
Number 2 basic oxygen furnace secondary ventilation system scrubber	20%, 6 minute average
Number 2 basic oxygen furnace truck and ladle hopper baghouse	5%, 3 minute average
Number 2 basic oxygen furnace tundish dump baghouse	5%, 3 minute average
Number 4 basic oxygen furnace off-gas scrubber	20%, 6 minute average
Number 4 basic oxygen furnace reladling and desulfurization baghouse	5%, 3 minute average
Number 4 basic oxygen furnace roof monitor	20%, 3 minute average
Number 4 basic oxygen furnace secondary ventilation system baghouse	5%, 3 minute average
Number 4 basic oxygen furnace vacuum degassing material handling baghouse	5%, 3 minute average
Number 7 blast furnace casthouse	15%, 6 minute average
<b>LTV STEEL CORPORATION</b>	
Basic oxygen furnace ladle metallurgical station baghouse	5%, 3 minute average
Basic oxygen furnace main stack	20%, 6 minute average
Basic oxygen furnace reladling and desulfurization baghouse	5%, 3 minute average
Basic oxygen furnace shop roof monitor	20%, 3 minute average
<b>USS-Gary Works</b>	
Number 1 basic oxygen furnace iron desulfurization baghouse	5%, 3 minute average
Number 1 basic oxygen furnace roof monitor	20%, 3 minute average
Number 1 basic oxygen process gas cleaning (two (2) units)	20%, 6 minute average
Number 2 QBOP hot metal desulfurization baghouse	5%, 3 minute average
Number 2 QBOP gas cleaning	20%, 6 minute average
Number 2 QBOP roof monitor	20%, 3 minute average
Number 2 QBOP flue handling line baghouse	5%, 3 minute average
New 2 QBOP secondary baghouse	5%, 3 minute average
Number 2 QBOP ladle metallurgy baghouse number 1	5%, 3 minute average
Number 2 QBOP ladle metallurgy baghouse number 2	5%, 3 minute average

## Final Rules

(f) Test methods for this section shall be as follows:

(1) Emissions of PM<sub>10</sub> shall be measured by any of the following methods:

- (A) 40 CFR 51, Appendix M, Method 201\*.
- (B) 40 CFR 51, Appendix M, Method 201A\*.
- (C) The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR 60, Appendix A, Method 1, 1A, 2, 2A, 2C, 2D, 3, or 4\*.

(2) Emissions for TSP matter shall be measured by the following methods:

- (A) 40 CFR 60, Appendix A, Method 5, 5A, 5D, 5E, or 17\*. Method 17 may not be used when the stack gas temperature exceeds two hundred forty-eight degrees Fahrenheit (248°F) (±25°F).
- (B) The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR 60, Appendix A, Method 1, 1A, 2, 2A, 2C, 2D, 3, or 4\*.

(3) Measurements of opacity shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9\*, except for those sources where a three (3) minute averaging time is required. Sources requiring a three (3) minute averaging time are subject to all parts of Method 9 except the six (6) minute averaging provision. In these cases, the opacity shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.

(4) Emissions of sulfuric acid mist shall be measured in accordance with 40 CFR 60, Appendix A, Method 8\*.

(5) Compliance with the mass emission limits for the sinter plant windbox stacks at USS Gary in subsection (d) shall be determined by the simultaneous sampling and analysis of both noncondensibles (front half) and condensibles (back half) particulate matter. The quantity of noncondensibles particulate matter in the gas stream shall be determined in accordance with the procedures specified in 40 CFR 60, Appendix A, Method 5\*. The quantity of condensible particulate matter in the gas stream shall be determined in accordance with 40 CFR 51, Appendix M, Method 202\*, with the following modifications:

(A) A heated Method 5 out of stack filter shall be used instead of an in-stack filter.

(B) The impinger system shall consist of five (5) impingers. The first three (3) impingers shall contain one hundred (100) milliliters of deionized water, the fourth shall be empty, and the fifth shall contain silica gel.

(C) The first four (4) impingers shall be used to determine the quantity of condensible particulate emissions.

Compliance shall be achieved if the sum of the front half and the back half is less than or equal to the mass emission limit of **one hundred sixty-seven and one-tenth (167.1) lbs/hr**, and the front half catch is less than or equal to the mass concentration limit of **sixty-five thousandths (0.065) gr/dscf** in subsection (d).

(g) The installation and operation of opacity continuous emissions monitors shall be conducted according to procedures specified in 326 IAC 3. Prior to December 10, 1993, the following facilities shall have a continuous emission monitor for opacity installed and operating:

- (1) Coke battery underfire stacks at USS.
- (2) LTV: basic oxygen furnace precipitator main stack.
- (3) USS: numbers 2 and 3 precarbon building preheating and drying line exhaust gas precipitators (six (6) units). One (1) opacity continuous emission monitor shall be installed prior to December 10, 1993. The remaining five (5) opacity continuous emission monitors shall be installed prior to December 31, 1994. Based on an evaluation of the technical feasibility of operation of the first monitor on one (1) line, US Steel may petition for a one (1) year extension of the requirement to install the remaining five (5) monitors or for a waiver for installation and operation of the six (6) opacity continuous emission monitors. US Steel shall include information on the moisture content of the gases and their effect on accurate opacity measurements as part of ~~any such~~ the petition.

(h) The following combustion sources shall fire natural gas only:

<u>Source</u>	<u>Units</u>	<u>lbs/hr</u>
<b>(1) ADVANCED ALUMINUM PRODUCTS JUPITER ALUMINUM CORPORATION</b>		
Number 2 annealer	0.003 lbs/MMBtu	0.048
Number 3 annealer	0.003 lbs/MMBtu	0.048
Annealing furnace	0.003 lbs/MMBtu	0.040
Boiler	0.003 lbs/MMBtu	0.010
<b>(2) AMERICAN CAN SILGAN CONTAINERS MANUFACTURING CORPORATION</b>		
Stack serving basecoat ovens (six (6) units)	0.003 lbs/MMBtu	0.210
Boiler number 4	0.003 lbs/MMBtu	0.010
Stack serving boiler numbers 1, 2, and 3	0.003 lbs/MMBtu	0.170
Stack serving Johnson space heater numbers 1 through 4	0.003 lbs/MMBtu	0.060
Stack serving litho ovens (five (5) units)	0.003 lbs/MMBtu	0.150
<b>(3) CERESTAR USA, INCORPORATED</b>		
Boiler number 1	0.003 lbs/MMBtu	0.288
Boiler number 2	0.003 lbs/MMBtu	0.468
South dextrin furnace number 1	0.003 lbs/MMBtu	0.023

## Final Rules

North dextrin furnace number 2	0.003 lbs/MMBtu	0.023
(4) AMERICAN STEEL FOUNDRY-HAMMOND		
Boiler number 4-5509	0.003 lbs/MMBtu	0.030
Furnaces	0.003 lbs/MMBtu	0.16
(5) AMOCO OIL, WHITING REFINERY		
F-100 marine docks distillate heater	0.003 lbs/MMBtu	0.020
(6) <del>CERTIFIED CONCRETE INC.</del> SMITH READY MIX		
Stack serving two (2) boiler units	0.003 lbs/MMBtu	0.035
(7) <del>COMMONWEALTH EDISON COMPANY</del> STATE LINE ENERGY, LLC		
Stack serving emergency backup boiler numbers 2-1 and 2-2	0.003 lbs/MMBtu	0.900
(8) E.I. DUPONT		
Power house (one (1) unit)	0.003 lbs/MMBtu	0.100
(9) GATX-GEN AMER TRANS		
Stress relief furnace	0.003 lbs/MMBtu	0.120
(10) GENERAL REFRACTORY		
Tunnel kiln	0.003 lbs/MMBtu	0.040
(11) <del>HAMMOND LEAD-HALOX PLANT</del> GROUP, INC. (HGI)		
Stack 18-S-24	0.003 lbs/MMBtu	0.025
Stack 18-S-49	0.003 lbs/MMBtu	0.025
(12) <del>HAMMOND LEAD-HALSTAB PLANT</del> GROUP, INC.-HALSTAB DIVISION		
Stack S-18	0.003 lbs/MMBtu	0.008
Stack S-19	0.003 lbs/MMBtu	0.008
(13) INLAND STEEL		
12 inch bar mill reheat furnace	0.003 lbs/MMBtu	1.090
Stack serving 21 inch bar mill reheat furnace numbers 1 and 2	0.003 lbs/MMBtu	1.31
Stack serving 76 inch hot strip mill reheat furnace numbers 1, 2, and 3	0.003 lbs/MMBtu	1.310
Stack serving 80 inch hot strip mill furnace numbers 3 and 4	0.003 lbs/MMBtu	3.980
Number 3 cold strip and numbers 5 and 6 annealing furnaces	0.003 lbs/MMBtu	0.987
Number 5 galvanizing line	0.003 lbs/MMBtu	0.44
Number 3 continuous anneal line	0.003 lbs/MMBtu	0.25
Open coil anneal	0.003 lbs/MMBtu	0.25
Plant 1 galvanizing lines	0.003 lbs/MMBtu	0.51
Normalizing line	0.003 lbs/MMBtu	0.13
(14) LTV STEEL CORPORATION		
Hot strip space heater numbers 1 through 28	0.003 lbs/MMBtu	0.250 TSP
Sheet mill number 2 portable annealing furnace numbers 1 through 23	0.003 lbs/MMBtu	1.100 TSP
Sheet mill number 2 space heater numbers 1 through 7	0.003 lbs/MMBtu	0.050 TSP
Sheet mill number 3 open coil annealing furnace numbers 1 through 3	0.003 lbs/MMBtu	0.031 TSP
Number 3 sheet mill annealing furnace numbers 1 through 7	0.003 lbs/MMBtu	0.071 TSP
Number 3 sheet mill annealing furnace numbers 1 through 11	0.003 lbs/MMBtu	0.520 TSP
Sheet mill number 2, annealing and galvanizing furnace numbers 2 through 5	0.003 lbs/MMBtu	1.280 TSP
Sheet mill number 2, CRSM boiler numbers 7 and 8	0.003 lbs/MMBtu	0.290 TSP
Number 2 cold reduced strip mill, number 2 galvanizing line, numbers 1 and 2 flame furnaces	0.003 lbs/MMBtu	0.500
Number 2 sheet mill galvanizers 1 and 2	0.003 lbs/MMBtu	0.265 TSP
(15) <del>LEVER BROTHERS</del> UNILEVER HPC, USA		
American hydrotherm boiler number 1	0.003 lbs/MMBtu	0.040
(16) NIPSCO-MITCHELL		
Each stack serving unit numbers Number 9A 9B; and 9C gas turbines turbine	0.003 lbs/MMBtu	0.660
(17) <del>STANDARD FORGINGS</del>		
Salem rotary furnace	0.003 lbs/MMBtu	0.120
Stack serving heat treat furnaces (3 units)	0.003 lbs/MMBtu	0.080
(18) <del>UNION CARBIDE</del> (17) PRAXAIR		
Package boilers (two (2) units)	0.003 lbs/MMBtu	0.618
Plants numbers 6, 7, and 8 regenerator heaters	0.003 lbs/MMBtu	0.097

## Final Rules

~~(19)~~ (18) UNION TANK CAR CO.

Boiler house, north	0.003 lbs/MMBtu	0.110
Boiler house, south	0.003 lbs/MMBtu	0.110
Number 4 boiler	0.003 lbs/MMBtu	0.020
Number 8 boiler	0.003 lbs/MMBtu	0.010
North stress furnace	0.003 lbs/MMBtu	0.160
Stack serving paint oven unit numbers 1 through 5	0.003 lbs/MMBtu	0.060
South stress furnace	0.003 lbs/MMBtu	0.160

~~(20)~~ (19) U.S. GYPSUM COMPANY

Each stack serving wallboard drying furnace, stacks B4, B5, and B6	0.003 lbs/MMBtu	0.068
--	-----------------	-------

~~(21)~~ U.S. REDUCTION COMPANY

<del>Preheat melting pot exhaust</del>	<del>0.003 lbs/MMBtu</del>	<del>0.090</del>
--	----------------------------	------------------

~~(22)~~ (20) USS-Gary Works

Electrogalvanizing boiler	0.003 lbs/MMBtu	0.110
Number 2 coke plant boiler house, boiler number 1	0.003 lbs/MMBtu	0.385
Number 2 coke plant boiler house, boiler number 2	0.003 lbs/MMBtu	0.385
Tin mill boiler number 5	0.003 lbs/MMBtu	0.480
Tin mill boiler number 1	0.003 lbs/MMBtu	0.240
Tin mill boiler number 2	0.003 lbs/MMBtu	0.240
Stack serving tin mill boiler numbers 3 and 4	0.003 lbs/MMBtu	0.830
160/210 inch plate mill, car bottom heat treating furnace	0.003 lbs/MMBtu	0.070
160/210 inch plate mill, car bottom normalizing furnace	0.003 lbs/MMBtu	0.070
160/210 inch plate mill, keep hot pits	0.003 lbs/MMBtu	0.090

(i) (Reserved)

(j) (Reserved)

(k) This subsection lists site-specific control requirements. For any facility with a compliance date after December 10, 1993, the company shall submit a schedule for meeting the final compliance date containing milestones for purchase and installation of the equipment and for the operational changes required to assure compliance with the applicable standard prior to the final compliance date. The schedule shall be submitted to the department and to the U.S. EPA prior to December 10, 1993. A violation of any milestone in the submitted schedule constitutes a violation of this rule. The sources listed shall meet the requirements as follows:

(1) The following for Cerestar USA, Incorporated: formerly known as American Maize:

(A) Starch dryer number 1 shall be permanently shut down by December 31, 1993.

(B) Starch dryer number 2 stack height shall be increased from eighteen and three-tenths (18.3) meters to thirty (30) meters by December 10, 1993.

(C) Dextrin manufacturing systems 1 through 7 shall be permanently shut down by December 31, 1993.

(D) After December 10, 1993, Cerestar USA, Incorporated formerly known as American Maize shall achieve compliance with the respective limits in subsection (d). The following mass emission limits shall be applicable until December 10, 1993:

Process	Units	Emission Limit
Each stack serving dextrin manufacturing equipment systems numbers 1 through 7	1.000 lbs/ton	0.50 lbs/hr
Starch flash feed dryer number 1 scrubber	0.086 lbs/ton	8.69 TSP

(2) American Steel Foundry-Hammond. The PM<sub>10</sub> mass emission limit in subsection (d) for coil spring grinder numbers 3-0244, 3-0386, 3-0389, 3-0247, 3-0385, 3-0295, and 3-0233 shall be complied with no later than December 31, 1993, and shall be maintained thereafter. The source shall either improve the efficiency of the existing control equipment or replace the existing control equipment with higher efficiency control equipment to comply with emission limits specified in subsection (d).

(3) Commonwealth Edison Company: State Line Energy, LLC. Units 3 and 4 shall comply with:

(A) a thirty percent (30%), six (6) minute average opacity limit until December 31, 1992;

(B) a twenty-five percent (25%), six (6) minute average opacity limit from January 1, 1993, to December 31, 1993; and

(C) a twenty percent (20%), six (6) minute average opacity limit after December 31, 1993.

(4) Hammond Lead Products Group, Inc. (HGI)-Halox plant. The stack heights of stacks 17-S-25 and 17-S-40 shall be raised to twenty-one and three-tenths (21.3) meters above grade by December 10, 1993.

(5) The following for Inland Steel:

(A) Number 2 BOF facility roof monitor. The twenty percent (20%), three (3) minute average opacity standard in subsection (e) shall be achieved no later than December 31, 1994, and shall be maintained thereafter. Prior to December 31, 1994, the opacity standard shall be the thirty percent (30%), six (6) minute average. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9\*, except that the three (3) minute, twenty percent (20%) opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.

(B) Numbers 8 and 11 coke batteries. Operation of the number 8 coke battery and its underfire stack and number 11 coke battery and its associated quench tower, underfire stack, and preheater stacks shall be permanently discontinued before December 31, 1992.

(C) Number 10 coke battery. After the shutdown of the number 8 coke battery, the electrostatic precipitator associated with the number 8 coke battery shall be connected to the number 10 coke battery prior to December 31, 1992.

(D) Numbers 6, 7, 9, and 10 coke batteries. These coke batteries and associated quench towers and underfire stacks shall not operate after December 31, 1994. Prior to December 31, 1994, these coke batteries shall meet the requirement of section 10.2 of this rule with the following exceptions:

(i) There shall be no visible emissions from more than ten percent (10%) of the standpipes on operating ovens on a battery.

(ii) Visible emissions shall not exceed twenty percent (20%) averaged over six (6) consecutive observations during any pushing operation.

(iii) Mass emissions from the coke battery underfire stacks shall not exceed fifty-thousandths (0.050) gr/dscf.

(E) Number 4 BOF facility roof monitor. The twenty percent (20%), three (3) minute average opacity standard in subsection (e) shall be achieved no later than December 31, 1994, and shall be maintained thereafter. Prior to December 31, 1994, the opacity standard shall be the twenty-five percent (25%), six (6) minute average.

(F) Number 7 blast furnace casthouse. Tapping emissions from the number 7 blast furnace casthouse shall be controlled by a hood vented to a baghouse on and after December 1, 1992. Canopy hoods shall be installed above each of the four (4) furnace tap holes. The hoods shall be ducted to a new three hundred seventy thousand (370,000) actual cubic feet per minute minimum design flow rate baghouse. Each hood shall be located just above the casthouse crane and extend via vertical sheeting to the casthouse roof. The system shall provide a minimum of one hundred eighty-five thousand (185,000) actual cubic feet per minute of air flow (fume capture) to each hood, when the corresponding tap hole is being drilled or plugged.

(G) Number 2 bloom mill soaking pits. The soaking pits shall not operate after December 31, 1992.

(H) Prior to December 31, 1994, Inland Steel shall comply with a thirty percent (30%), six (6) minute average opacity limit for the electric arc furnace roof monitor. On and after December 31, 1994, Inland Steel shall comply with the roof monitor opacity limit specified in subsection (e). Prior to December 31, 1994, Inland Steel shall do the following:

(i) Perform tests according to procedures developed in consultation with the department to establish process and control equipment operating procedures and to establish control system fan motor ampere and damper position or volumetric flow rates through each separately ducted hood and/or duct used to capture emissions during the electric arc furnace charging, tapping, and refining process.

(ii) Install the required monitoring equipment in consultation with the department regarding its accuracy and precision position.

(iii) Record the start time and duration of charging, tapping, and refining of each heat.

(I) After December 31, 1994, the sources shall comply with the respective limits contained in subsection (d). The following mass emission limits will be applicable until December 31, 1994:

<u>Inland Steel Processes</u>	<u>Emission Limit (Units)</u>	<u>Emission Limit (lbs/hr)</u>
Number 6 coke battery underfire stack	0.271 lbs/ton coal	9.840
Number 7 coke battery underfire stack	0.267 lbs/ton coal	15.580
Number 9 coke battery underfire stack	0.406 lbs/ton coal	19.180
Number 10 coke battery underfire stack	0.371 lbs/ton coal	27.81
Stack serving 21 inch bar mill reheat furnace numbers 1 and 2	0.29 lbs/MMBtu	12.95
Number 4 slabber soaking pit numbers 1 through 18 collective	0.0 lbs/MMBtu	0.0
Number 4 slabber soaking pit numbers 19 through 45 collective	0.031 lbs/MMBtu	9.190
Number 3AC station boiler numbers 301 through 304	0.023 lbs/MMBtu	20.45
Number 3AC station boiler number 305	0.023 lbs/MMBtu	6.82

(6) The following for LTV Steel Corporation:

(A) Basic oxygen furnace facility roof monitor. The twenty percent (20%), three (3) minute average opacity standard in subsection (e) shall be achieved no later than December 10, 1993, and shall be maintained thereafter. Prior to December 10, 1993, the opacity standard shall be twenty percent (20%), except for one (1) three (3) minute average per hour.

## Final Rules

(B) Number 4 blast furnace. Compliance with the opacity limit shall be achieved no later than February 1, 1994, and shall be maintained thereafter. Also, control equipment capable of capturing and collecting emissions generated at the east and west tilting runner spouts and tap holes shall be installed and operational by February 1, 1994.

(7) NIPSCO-Mitchell. Units 5 and 6 shall comply with the following:

(A) Thirty percent (30%), six (6) minute average opacity limit until December 31, 1992.

(B) Twenty-five percent (25%), six (6) minute average opacity limit from January 1, 1993, to December 10, 1993.

(C) Twenty percent (20%), six (6) minute average opacity limit after December 10, 1993.

(8) The following for USS-Gary Works:

(A) Numbers 15 and 16 coke batteries. The coke batteries and all associated operations shall not operate after the effective date of this section.

(B) Number 13 blast furnace casthouse roof monitor. The twenty percent (20%), six (6) minute average opacity standard shall be achieved no later than December 31, 1994, and shall be maintained thereafter. Prior to December 31, 1994, the blast furnace casthouse shall comply with a thirty percent (30%) opacity, six (6) minute rolling average standard.

(C) Number 1 basic oxygen furnace facility roof monitor. The twenty percent (20%), three (3) minute average opacity standard in subsection (e) shall be achieved no later than December 31, 1996, and shall be maintained thereafter. Prior to December 31, 1996, the following opacity standards shall apply:

(i) Prior to January 1, 1995, the instantaneous opacity shall not exceed thirty percent (30%) opacity except for an aggregate of six (6) minutes per hour. Twenty-four (24) instantaneous opacity readings greater than thirty percent (30%) within any sixty (60) minute period shall be considered a six (6) minute aggregate.

(ii) For the period of January 1, 1995, through December 31, 1995, the instantaneous opacity shall not exceed twenty-five percent (25%) opacity, except for an aggregate of six (6) minutes per hour.

(iii) For the period of January 1, 1996, through December 30, 1996, the instantaneous opacity shall not exceed twenty-five percent (25%) opacity, except for an aggregate of five (5) minutes per hour. Twenty (20) instantaneous opacity readings greater than thirty percent (30%) within any sixty (60) minute period shall be considered a five (5) minute aggregate.

(D) Number 2 QBOP facility roof monitor. The twenty percent (20%), three (3) minute average opacity standard in subsection (e) shall be achieved no later than December 31, 1994, and shall be maintained thereafter. Prior to December 31, 1994, the instantaneous opacity shall not exceed thirty percent (30%) opacity except for an aggregate of eight (8) minutes per hour. Thirty-two (32) instantaneous

opacity readings greater than thirty percent (30%) within any sixty (60) minute period shall be considered an eight (8) minute aggregate.

(E) Number 2 coke plant boilers. Only four (4) of the number 2 coke plant boilers may operate using coal or coke oven gas at the same time. If more than four (4) boilers are in operation, all but four (4) shall use natural gas.

(F) Eighty-four (84) inch hot strip mill. Actual heat input derived from coke oven gas and fuel oil shall not exceed a total of four hundred seventy-seven (~~477~~) million (**477,000,000**) British thermal units per hour for waste heat boiler number 1 and furnace numbers 1 and 2 combined and a total of five hundred seven (~~507~~) million (**507,000,000**) British thermal units per hour for waste heat boiler 2 and furnaces 3 and 4 combined. The remainder of the actual heat input shall be obtained by burning natural gas. A total actual heat input shall not exceed four hundred forty (~~440~~) million (**440,000,000**) British thermal units per hour for each furnace, one hundred seventy (~~170~~) million (**170,000,000**) British thermal units per hour for waste heat boiler number 1, and two hundred (~~200~~) million (**200,000,000**) British thermal units per hour for waste heat boiler number 2.

(G) Only two (2) of the three (3) sinter lines shall operate at any one (1) time. For each line, USS-Gary Works shall maintain the following records in regard to the sinter plant operation:

(i) Startup and shutdown time.

(ii) Average hourly production rate.

(iii) The cause of any malfunction and the correction taken.

(H) Number 2 coke plant boiler house boilers numbers 4, 5, and 6. A ninety (90) day written notice shall be given to the department and the U.S. EPA in the event of switching fuels from gas to coal. In addition, continuous opacity emission monitors must be installed prior to the fuel switch.

(I) Beach iron dumping and process vessel maintenance activities subject to subsection (p)(3)(F)(i) and (p)(3)(F)(ii) shall comply with the applicable twenty percent (20%) opacity limitation no later than December 31, 1994. The schedule for compliance submitted by December 10, 1993, shall establish milestones that achieve final compliance as soon as practical, but no later than December 31, 1994.

(J) Number 5 quench tower will comply with the ninety-five percent (95%) baffle requirement under section 10.2(c)(7)(F) of this rule no later than December 10, 1993.

(9) East Chicago Incinerator: The source shall comply with the mass emission limit in subsection (d) and the opacity limit in subsection (e) upon the schedule specified as a permit condition by the construction permit number CP 089-1744; HD 089-00309; issued by the department. These limits are in addition to complying with the requirements of the permit related to process and control equipment monitoring; compliance testing; stack continuous opacity monitoring; and other operating and maintenance requirements. Prior to the compli-

ance date in this subdivision, the source shall comply with a mass emission limit of seventy-one hundredths (0.71) lbs of TSP/ton of raw material and a thirty percent (30%), six (6) minute average opacity limit.