**ARTICLE 11. EMISSION LIMITATIONS FOR SPECIFIC TYPES OF OPERATIONS**

ARTICLE 11. EMISSION LIMITATIONS FOR SPECIFIC TYPES OF OPERATIONS

**Rule 1. Existing Foundries**

### 326 IAC 11-1-1 Applicability of rule

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 1. This rule (326 IAC 11-1) establishes emission limitations for particulate matter from foundries. Particulate emissions from all foundries in operation on or before December 6, 1968, shall comply with the requirements set forth in 326 IAC 11-1-2. All foundries beginning operation after December 6, 1968, shall comply with 326 IAC 6-3. If any emission limit established by this rule (326 IAC 11-1) is inconsistent with applicable limits contained in 326 IAC 6-1, then the limit contained herein shall not apply; but the limit in such rule (326 IAC 6-1) shall apply. *(Air Pollution Control Board; 326 IAC 11-1-1; filed Mar 10, 1988, 1:20 pm)*

### 326 IAC 11-1-2 Particulate matter emission limitations

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-5

Sec. 2. No facility subject to this rule (326 IAC 11-1) shall cause, suffer, or allow particulate matter to be emitted in excess of the amount shown in the following table.

Allowable Emissions from Foundry Cupolas

| Process Weight Rate Lbs/Hr | Allowable Emission of Particulate Matter Lbs/Hr |
|---|---|
| 1,000 | 3.05 |
| 2,000 | 4.70 |
| 3,000 | 6.35 |
| 4,000 | 8.00 |
| 5,000 | 9.65 |
| 6,000 | 11.30 |
| 7,000 | 12.90 |
| 8,000 | 14.00 |
| 9,000 | 15.50 |
| 10,000 | 16.65 |
| 12,000 | 18.70 |
| 16,000 | 21.60 |
| 18,000 | 22.80 |
| 20,000 | 24.00 |
| 30,000 | 30.00 |
| 40,000 | 36.00 |
| 50,000 | 42.00 |
| 60,000 | 48.00 |
| 70,000 | 49.00 |
| 80,000 | 50.50 |
| 90,000 | 51.60 |
| 100,000 | 52.60 |

*(Air Pollution Control Board; 326 IAC 11-1-2; filed Mar 10, 1988, 1:20 pm)*

Rule 3 Coke Oven Batteries

11-3-1 Applicability
This rule (325 IAC 11-3) applies to all coke oven batteries for which construction or modification commenced prior to June 19, 1979. Emission limitations for coke oven batteries construction or modification of which commences after June 19, 1979, shall be established as permit conditions pursuant to the provisions and requirements of 325 IAC 2, Permits and New Source Review. (*Filed Aug. 27, 1980*)

SECTION 15. 326 IAC 11-3-2 IS AMENDED TO READ AS FOLLOWS:

**326 IAC 11-3-2 Emission limitations**
**Authority: IC 13-1-1-4; IC 13-7-2-10; IC 13-7-7**
**Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2**

Sec. 2. (a) Precarbonization emissions **requirements shall be as follows:**
(1) Particulate emissions from precarbonization towers shall be limited by the emission limitations determined ~~pursuant to~~ **under** 326 IAC 6-1.
(2) Visible emissions from any precarbonization unit shall comply with the requirements set forth in 326 IAC 5-1.

(b) Visible emissions from the charging system, including any open charge port, offtake system, mobile jumper pipe, or larry car shall be limited as follows:
(1) On and after July 1, 1979, such emissions shall not be visible for more than a cumulative total of two hundred (200) seconds during five (5) consecutive charging periods.
(2) On and after July 1, 1980, such emissions shall not be visible for more than a cumulative total of one hundred seventy-five (175) seconds during five (5) consecutive charging periods.
(3) On and after July 1, 1981, such emissions shall not be visible for more than a cumulative total of one hundred fifty (150) seconds during five (5) consecutive charging periods.
(4) On and after July 1, 1982, such emissions shall not be visible for more than a cumulative total of one hundred twenty-five (125) seconds during five (5) consecutive charging periods.
(5) One (1) charge out of twenty (20) consecutive charges shall be exempt from the total seconds of charging emissions using the procedures set forth in ~~326 IAC 11-3-4(a).~~ **section 4(a) of this rule.**

(c) Charge port lid emissions **requirements shall be as follows:**

(1) On and after July 1, 1979, no visible emissions shall be permitted from more than ten percent (10%) of the total charge port lids on any coke oven battery.

(2) On and after July 1, 1980, no visible emissions shall be permitted from more than seven percent (7%) of the total charge port lids on any coke oven battery.

(3) On and after July 1, 1981, no visible emissions shall be permitted from more than five percent (5%) of the total charge port lids on any coke oven battery.

(4) On and after July 1, 1982, no visible emissions shall be permitted from more than three percent (3%) of the total charge port lids on any coke oven battery.

(d) Offtake piping emissions **requirements shall be as follows:**

(1) On and after July 1, 1979, no visible emissions shall be permitted from more than thirty percent (30%) of the total offtake piping on any coke oven battery.

(2) On and after July 1, 1980, no visible emissions shall be permitted from more than twenty-five percent (25%) of the total offtake piping on any coke oven battery.

(3) On and after July 1, 1981, no visible emissions shall be permitted from more than twenty percent (20%) of the total offtake piping on any coke oven battery.

(4) On and after July 1, 1982, no visible emissions shall be permitted from more than ten percent (10%) of the total offtake piping on any coke oven battery.

**(5) On and after December 10, 1993, no visible emissions shall be permitted from more than five percent (5%) of the total offtake piping on any coke oven battery within Lake County.**

(e) Gas collector main emissions **requirements shall be as follows:**

(1) On and after July 1, 1979, no visible emissions shall be permitted from more than eight (8) points on the gas collector main, excluding the connection with the standpipes.

(2) On and after July 1, 1980, no visible emissions shall be permitted from more than six (6) points on the gas collector main, excluding the connection with the standpipes.

(3) On and after July 1, 1981, no visible emissions shall be permitted from more than five (5) points on the gas collector main, excluding the connection with the standpipes.

(4) On and after July 1, 1982, no visible emissions shall be permitted from more than three (3) points on the gas collector main, excluding the connection with the standpipes.

**(5) On and after December 10, 1993, no visible emissions shall be permitted from the gas collector main on any coke oven battery within Lake County.**

(f) Oven door emissions **requirements shall be as follows:**

(1) On and after July 1, 1979, no visible emissions shall be permitted from more than twenty-five percent (25%) of the total coke oven doors, plus four **(4)** doors, on any coke oven battery.

(2) On and after July 1, 1980, no visible emissions shall be permitted from more than twenty percent (20%) of the total coke oven doors, plus four **(4)** doors, on any coke oven battery.

(3) On and after July 1, 1981, no visible emissions shall be permitted from more than fifteen percent (15%) of the total coke oven doors, plus four **(4)** doors, on any coke oven battery.

(4) On and after July 1, 1982, no visible emissions shall be permitted from more than ten percent (10%) of the total coke oven doors, plus four **(4)** doors, on any coke oven battery.

**(5) On and after December 10, 1993, no visible emissions shall be permitted from more than ten percent (10%) of the observed coke oven doors on any coke oven battery within Lake County.**

(i) Underfire particulate and sulfur dioxide emissions **requirements shall be as follows:**

(1) Particulate and sulfur dioxide emissions from underfire stacks shall be limited by the emission limitations determined ~~pursuant to~~ **under** 326 IAC 6-1, 326 IAC 6-2, and ~~326 IAC 7-1,~~ **326 IAC 7-1.1,** respectively.

(2) Visible emissions from any underfire stack shall comply with ~~the requirements set forth in~~ 326 IAC 5-1.

*(Air Pollution Control Board; 326 IAC 11-3-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2549; filed May 12, 1993, 11:30 a.m.: 16 IR 2398)*

11-3-3 Coke Oven Identification

The identity of each coke oven shall be maintained in such a manner that it is easily and readily visible from the topside and on each coke and push-side on every coke oven battery. (*Filed Aug. 27, 1980*)

SECTION 16. 326 IAC 11-3-4 IS AMENDED TO READ AS FOLLOWS:

**326 IAC 11-3-4 Compliance determination**

**Authority: IC 13-1-1-4; IC 13-7-2-10; IC 13-7-7**
**Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2**

Sec. 4. (a) **This subsection applies** to charging emissions. To determine compliance with ~~326 IAC 11-3-2(b),~~ **section 2(b) of this rule,** observations shall be made and the identity recorded from any point or points on the topside of a coke oven battery such that the observer can obtain an unobstructed view of the charging operation. The observer shall keep cumulative time of the total number of seconds charging emissions are visible. Time is started when a visible emission appears and is stopped when the visible emission expires. This procedure shall continue throughout the entire charging period. Visible emissions occurring simultaneously from two (2) or more separate points shall be timed as one (1). The following shall not be timed:

(1) Visible emissions from burning coal spilled on the top of the oven or oven lids during charging.

(2) Visible emissions from any equipment other than the charging system or charge ports.

(3) Visible emissions from standpipes during charging.

(4) Visible emissions from the charge port lids and the standpipe on the oven most recently charged.

(5) Visible emissions from coke oven doors which may be wind-blown across the topside of a coke oven battery.

(6) Visible emissions due to steam from uncombined water.

The time retained is the total time visible emissions are observed during a charge and shall be recorded on a data sheet. If the observations of a consecutive set of five (5) charges are interrupted by an event not in the control of the observer, ~~e.g.,~~ **for example,** momentary interference by a passing quench car plume, then the data for the interrupted charge(s) shall be discarded and additional consecutive charges shall be observed. Five (5) charges observed as such shall be treated as consecutive charges. To determine compliance with ~~326 IAC 11-3-2(b)(5),~~ **section (2)(b) of this rule,** the observer shall discard the data for the charge observed, during each set, which contains the greatest cumulative total number of seconds during which emissions are visible. A set shall consist of the total number of consecutive charges read by the observer during any one (1) observation period, but in no event shall a set exceed twenty (20) consecutive charges.

(b) Topside emissions **requirements shall be as follows:**

(1) To determine compliance with topside emission limitations in ~~326 IAC 11-3-2(c) and (d),~~ **section 2(c) and 2(d) of this rule,** the observer shall walk the length of the topside of a coke oven battery, on a line down the middle of the battery, or as close to as safety permits, ~~recording~~ **to record** the identity of standpipes in a single traverse and charge port lids in a single traverse ~~having~~ **that have** any visible emissions. The following shall not be counted:

(A) Visible emissions from burning coal spilled on the top of the oven or oven lids.

(B) Visible emissions from charge port lids and standpipe lids, from a maximum of three (3) ovens, that are opened during a decarbonization period or charging period.

(C) Visible emissions from the standpipe on an oven being charged.

(D) Visible emissions resulting from maintenance work.

(E) Visible emissions from steam caused by the vaporization of wet luting material.

(F) Visible emissions due to steam from uncombined water.

(2) Visible emissions from charge port lids shall include all emissions from the charge port casting/lid interface.

(3) Visible emissions from the offtake piping assembly shall include **the following:**

(A) Any leaks from cracks and/or defects in the piping itself.

(B) Any leaks coming from the flanged joints of any pipes, including the final joint with the collector main.

(C) Any leaks coming from the standpipe base.

**(D)** Leaks coming from the standpipe lid or along its seal with the standpipe.

**(E)** Any leaks from the offtake piping assembly which are not contained in one **(1)** of the ~~above~~ categories in **this subdivision.**

(c) **This subsection applies to** oven door emissions. To determine compliance with ~~326 IAC 11-3-2(f),~~ **section 2(f) of this rule,** the observer shall record the starting time of ~~his~~ **the** inspection, then shall move steadily along the push-side or coke-side of a coke oven battery stopping only to record the identity of any doors ~~having~~ **of ovens not temporarily or permanently taken out of service that have** visible emissions, but not including visible emissions due to steam from uncombined water. ~~any doors obstructed from the observers view, and~~ The **inspector shall have any of the following options:**

**(1) To wait for any doors which are blocked from the inspector's view to become unobstructed.**

**(2) To continue the inspection and return when the view of the doors becomes unobstructed.**

**(3) To exclude the obstructed doors from the calculation of the total number of doors observed.**

**The** finishing time of that inspection **shall be recorded** followed by **the inspector** repeating the same procedure on the opposite side of the same battery. The ~~observer shall maintain a consistent distance of no less than twenty-five (25) and no more than one hundred (100) feet from the face of the coke oven door.~~ **inspector shall be positioned either outside of the quench car tracks on the coke-side of the battery or outside of the push-side bench.** After a brief scan of a coke oven door, the observer shall proceed in ~~his~~ **the** inspection checking each succeeding door in a like manner.

(d) Testing to determine the amount of particulate matter emitted from any facility subject to a grain loading or process weight limitation of this rule ~~(326 IAC 11-3)~~ shall be conducted in accordance with the procedures set forth in 40 CFR 60, Appendix A, Methods 1-5*. ~~or other equivalent procedures approved by the commissioner.~~

(e) ~~Gas Collector Main Emissions:~~ To determine compliance with gas collector main emission limitations in ~~326 IAC 11-3-2(e),~~ **section 2(e) of this rule,** the observer shall walk the length of the topside of the gas collector main, ~~recording~~ **to record** the number of points in a single traverse from which emissions are visible.

*** Copies of the Code of Federal Regulations have been incorporated by reference and are available from the Government Printing Office, Washington, D.C. 20402 or the Indiana Department of Environmental Management, Office of Air Management.** *(Air Pollution Control Board; 326 IAC 11-3-4; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2550; filed May 12, 1993, 11:30 a.m.: 16 IR 2400)*

SECTION 17. THE FOLLOWING ARE REPEALED: 326 IAC 5-1-6; 326 IAC 6-1-10; 326 IAC 6-1-11.

*LSA Document #92-163(F)*
*Proposed Rule Published: October 1, 1992; 16 IR 108*
*Hearing Held: October 22, 1992*
*Approved by Attorney General: May 7, 1993*
*Approved by Governor: May 11, 1993*
*Filed with Secretary of State: May 12, 1993, 11:30 a.m.*
*Incorporated Documents Filed with Secretary of State: 40 CFR 51, Appendix M; 40 CFR 60, Appendix A; construction permit number CP 089-1744, ID 089-00309 for East Chicago Incinerator; Method 2540C, Standard Methods for the Examination of Water and Wastewater, 17th Edition, published by the American Public Health Association; ASTM Designation: C 136 - 84a, Standard Method for Sieve Analysis of Fine and Coarse Aggregates; U.S. EPA 600/2-79-103, "Iron and Steel Plant Open Source Fugitive Emission Evaluation", Appendix B; Control of Open Sources of Fugitive Dust, U.S. EPA, September 1988.*

**326 IAC 11-3-5 Compliance schedules**

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

**Affected:** IC 13-1-1-4; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-5

Sec. 5. (a) Sources subject to the requirements of 326 IAC 11-3-2(a), (g), (h), and (i) shall achieve compliance pursuant to the schedule requirements in 326 IAC 6-1.

(b) Sources subject to the requirements of 326 IAC 11-3-2(b), (c), (d), (e), and (f) shall achieve compliance pursuant to the individual schedules of 326 IAC 11-3-2, except that:

(1) where compliance with an emission limitation effective July 1, 1979, is not achieved; and

(2) where a program, approved by the commissioner, has been or will be established to comply with the emissions effective July 1, 1980: and

(3) adherence to the program in subsection (b)(2) of this section shall be considered as compliance with the emission limitation discussed in subsection (b)(2) of this section.

*(Air Pollution Control Board; 326 IAC 11-3-5; filed Mar 10, 1988, 1:20 pm)*

**Rule 4. Fiberglass Insulation Manufacturing**

## Rule 4. Fiberglass Insulation Manufacturing

### 326 IAC 11-4-1 Applicability

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 1. This rule (326 IAC 11-4) shall apply to facilities for producing fiberglass insulation by the superfine (flame blown) process existing on June 19, 1979, and

located in Shelby County. Said facilities shall be exempt from 326 IAC 6-3, and shall be subject to the requirements of the following provision. *(Air Pollution Control Board; 326 IAC 11-4-1; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-4-2 Particulate matter emission limitations**

**Authority: IC 13-1-1-4; IC 13-7-7**
**Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-5**

Sec. 2. (a) No person shall operate any facility subject to this rule (326 IAC 11-4) so as to discharge or cause to be discharged into the atmosphere any gases unless such gases are limited to:

(1) a particulate matter content of not more than 0.047 milligram/dscm (0.025 grain/dscf) from forming facilities;

(2) a particulate matter content of not more than 0.47 milligram/dscm (0.25 grain/dscf) from furnace operations.

(b) The specific facilities and processes listed in 326 IAC 11-4-4 shall not emit particulate matter in excess of the limitations contained therein. *(Air Pollution Control Board; 326 IAC 11-4-2; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-4-3 Testing; compliance schedule**

**Authority: IC 13-1-1-4; IC 13-7-7**
**Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-5**

Sec. 3. (a) Testing to determine the amount of particulate matter emitted from any facility subject to the requirements of this rule (326 IAC 11-4) shall be conducted in accordance with the procedures set forth in 40 CFR 60, Appendix A, Methods 1—5, or other equivalent procedures approved by the commissioner.

(b) Compliance with this rule (326 IAC 11-4) shall be achieved in accordance with the schedule contained in 326 IAC 6-1-4. *(Air Pollution Control Board; 326 IAC 11-4-3; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-4-4 Emission limitations**

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

Sec. 4. (a) Emission limitations established for existing sources set forth in this rule (326 IAC 11-4) shall be identical with corresponding emission limitations set forth in Indiana's state implementation plan (SIP) as submitted to the U.S. EPA for approval. Said emission limitations are set forth in 326 IAC 11-4-5, and are a part hereof; however, as permits are issued by the commissioner pursuant to this rule (326 IAC 11-4), which incorporates the emission limitations set forth in 326 IAC 11-4-5, the emission limitations set forth in the permit shall supersede and replace the corresponding limitations in 326 IAC 11-4-5. However, if the limitations set forth in 326 IAC 11-4-5 are determined to be inappropriate and are revised and submitted to the U.S. EPA as a SIP revision, the permits shall reflect the revised limitations.

(b) Upon issuance, any permits which contain revised emission limitations in accordance with subsection (a) of this section, shall be submitted to the U.S. EPA as a SIP revision. *(Air Pollution Control Board; 326 IAC 11-4-4; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-4-5 Shelby County**

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

Sec. 5.

Shelby County
Source: Knauf Fiber Glass

| Facility Description | Maximum Hourly Emission Rate lbs/hour |
|---|---|
| 605 oven | 8.00 |
| 601 Forming plus oven | 28.28 |
| 603 Forming plus oven | 16.49 |
| 602 Forming plus oven | 33.27 |
| Superfine Processes | |
| 605 furnace | 10.00 |
| 605 forming | 15.00 |

*(Air Pollution Control Board; 326 IAC 11-4-5; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2552; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Aug 28, 2002, 1:50 p.m.: 26 IR 10)*

**Rule 5. Fluoride Emission Limitations for Existing Primary Aluminum Plants**

**326 IAC 11-5-1 Applicability**

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

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 1. This rule (326 IAC 11-5) establishes fluoride emission limitations for primary aluminum plants in operation on or before January 26, 1976. A primary aluminum plant is defined as any facility manufacturing aluminum by electrolytic reduction. All primary aluminum plants for which construction or modification commenced after January 26, 1976, shall comply with the limitations set forth in 326 IAC 12. *(Air Pollution Control Board; 326 IAC 11-5-1; filed Mar 10, 1988, 1:20 pm)*

### 326 IAC 11-5-2 Emission limitations

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 2. The emissions of all gaseous fluorides and particulate fluorides from all facilities within an existing primary aluminum plant shall be reduced to the lowest level achievable through the application of the best technological system for continuous emission reduction available to the primary aluminum industry.

(1) Said system shall meet the following requirements:

(A) An existing primary aluminum plant shall achieve at least ninety percent (90%) fluoride emission control efficiency through its primary collection systems. A primary collection system includes, but is not limited to, collection equipment consisting of hoods, ductwork, instrumentation, and exhaust fans required to move the exhaust gas stream from its point of generation.

(B) An existing primary aluminum plant shall achieve at least ninety-five percent (95%) fluoride control efficiency through its primary removal systems. A primary removal system includes, but is not limited to, removal equipment such as cyclones, fluidized bed scrubbers, wet scrubbers, etc., together with the necessary auxiliary pumps, fans, instrumentation, etc., required to operate this unit.

(2) Sources subject to this rule (326 IAC 11-5) shall comply with the following procedures of good operation and maintenance of all fluoride emitting facilities within the plant:

(A) All exhaust hood covers shall be in good repair and properly positioned over the alumina reduction cells. The amount of time hood covers are removed during cell working operations shall be minimized.

(B) Alumina reduction cell working operations and hopper loading facilities shall be conducted so as to minimize particulate emissions from becoming air borne.

(C) All anode butts shall be cleaned of adherent fluoride bearing bath material.

*(Air Pollution Control Board; 326 IAC 11-5-2; filed Mar 10, 1988, 1:20 pm)*

### 326 IAC 11-5-3 Test methods to determine compliance

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 3. Test methods to determine compliance with the fluoride limitations contained in this rule (326 IAC 11-5) shall be determined as as referenced in 40 CFR 60, Appendix A, Revised Reference Methods 13 A or 13 B, or other equivalent procedures approved by the commissioner. *(Air Pollution Control Board; 326 IAC 11-5-3; filed Mar 10, 1988, 1:20 pm)*

### 326 IAC 11-5-4 Compliance schedule

**Authority:** IC 13-1-1-4; IC 13-7-7
**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 4. All sources subject to this rule (326 IAC 11-5) shall achieve compliance in accordance with the following:

(1) The owner or operator of an existing primary aluminum plant who can comply with this rule (326 IAC 11-5) without installing new or additional equipment or facilities or modifying existing equipment or facilities shall comply immediately.

(2) Where new, additional or modified equipment or facilities must be installed before the owner or operator of an existing primary aluminum plant can comply with this rule (326 IAC 11-5), compliance shall be achieved no later than February 6, 1984.

(3) Each source which will comply with this rule (326 IAC 11-5) pursuant to subdivision (2) of this subsection shall submit a timetable to the commissioner which shall include the following:

(A) Submittal of plans and specifications by June 30, 1981.

(B) Initiation of on-site construction or installation by June 30, 1982.

(C) Completion of on-site construction or installation by June 30, 1983.

(D) Achieve compliance by December 31, 1983.

(E) Submit performance test results by June 30, 1984.

*(Air Pollution Control Board; 326 IAC 11-5-4; filed Mar 10, 1988, 1:20 pm)*

### 326 IAC 11-5-5 Monitoring

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

Sec. 5. (a) Each primary aluminum plant shall submit, by April 7, 1981, a proposed detailed monitoring program to insure compliance with 326 IAC 11-5-2(a)(1) and (2). The proposed program shall be subject to revision and approval by the commissioner. The program shall include regularly scheduled monitoring by the source of emissions of gaseous and particulate fluorides and total particulates.

(b) The necessary sampling and analysis equipment shall be in effective operation in accordance with the approved program within ninety (90) days after written notice to the source by the commissioner of said approved program. *(Air Pollution Control Board; 326 IAC 11-5-5; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-5-6 Reporting**

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

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 6. (a) Each existing primary aluminum plant shall report malfunctions of the primary collection systems and the primary removal systems which result in a violation of this rule (326 IAC 11-5), as specified in 326 IAC 1-6.

(b) Each existing primary aluminum plant shall furnish upon request of the commissioner, such other data as the commissioner may require to evaluate the plant's emission control program. *(Air Pollution Control Board; 326 IAC 11-5-6; filed Mar 10, 1988, 1:20 pm)*

**326 IAC 11-5-7 State Implementation Plan revisions**

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

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-7-5

Sec. 7. Any exemptions given or alternate procedures allowed by the commissioner pursuant to 326 IAC 11-5-3 or 326 IAC 11-5-5(a) and (b) or 326 IAC 11-5-6(b), shall be submitted to the U.S. EPA as a SIP revision, of which this rule (326 IAC 11-5) is a part. *(Air Pollution Control Board; 326 IAC 11-5-7; filed Mar 10, 1988, 1:20 pm)*

**TITLE 326 AIR POLLUTION CONTROL BOARD**

**Final Rule**
LSA Document #06-434(F)

DIGEST

Amends 326 IAC 11-7-3 concerning municipal waste combustion emission limits. Repeals 326 IAC 11-7-9 concerning the compliance schedule for municipal waste combustion units. Effective 30 days after filing with the Publisher.

**HISTORY**

IC 13-14-9-7 Notice of Comment Period: October 11, 2006, Indiana Register (DIN: 20061011-IR-326060434FDA).
Notice of First Hearing: October 11, 2006, Indiana Register (DIN: 20061011-IR-326060434PHA).
Date of First Hearing: December 6, 2006.
Proposed Rule: December 27, 2006, Indiana Register (DIN: 20061227-IR-326060434PRA).
Notice of Second Hearing: December 27, 2006, Indiana Register (DIN: 20061227-IR-326060434PHA).
Date of Second Hearing: February 7, 2007.

**326 IAC 11-7-3; 326 IAC 11-7-9**

SECTION 1. 326 IAC 11-7-3 IS AMENDED TO READ AS FOLLOWS:

**326 IAC 11-7-3 Emission limits**

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

Sec. 3. The concentration of pollutants contained in the gases discharged to the atmosphere from a designated facility shall not exceed the following limits:

| Pollutant | Emission Limits |
|---|---|
| Particulate matter | ~~23~~ **25** milligrams per dry standard cubic meter (mg/dscm)[~~4~~ **1**] |
| Opacity | 10% based on a 6-minute average |
| Cadmium | ~~0.040~~ **0.035** mg/dscm[1] |
| Lead | ~~0.44~~ **0.400** mg/dscm[1] |
| Mercury | ~~0.080~~ **0.050** mg/dscm; or 15% of the potential mercury emissions concentration[~~1,~~ 3, **4**] |
| Sulfur dioxide | 29 parts per million by volume (ppmv); or 20% of the potential sulfur dioxide emission concentration[3, 5] |
| Hydrogen chloride | 29 ppmv; or 5% of the potential hydrogen chloride emissions concentration[2, 3] |
| Organic emission (expressed as total mass dioxins/furans) | 30 nanograms per dry standard cubic meter (ng/dscm) total mass[1] |
| Nitrogen oxides | 205 ppmv[2] |
| Carbon monoxide[5] | 100 ppmv[~~6~~ **5**] (based on a 4-hour block averaging time) |

[1]Corrected to seven percent (7%) oxygen.

[2]Corrected to seven percent (7%) oxygen, dry basis.

[3]Whichever concentration is less stringent.

~~[4]Corrected to twelve percent (12%) carbon dioxide.~~

[~~5~~ **4**]Corrected to seven percent (7%) oxygen, dry basis, calculated as a 24-hour daily geometric mean.

[6] [5]Measured at the combustor outlet in conjunction with a measurement of oxygen concentration, corrected to seven percent (7%) oxygen, dry basis, calculated as an arithmetic mean.

*(Air Pollution Control Board; 326 IAC 11-7-3; filed Jan 18, 1999, 1:20 p.m.: 22 IR 1968; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Jul 10, 2007, 2:23 p.m.: 20070808-IR-326060434FRA)*

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