

ARTICLE 26. REGIONAL HAZE

Rule 2. Best Available Retrofit Technology Emission Limitations

326 IAC 26-2-1 Applicability

Authority: IC 13-14-8; IC 13-14-9; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 1. (a) This rule applies to a BART-eligible source determined to be subject to BART under 326 IAC 26-1-4.

(b) Alcoa in Warrick County is determined to be subject to BART and is required to meet the emission limitations and other requirements as specified in section 2 of this rule not later than February 22, 2013. (*Air Pollution Control Division; 326 IAC 26-2-1; filed Feb 9, 2011, 10:26 a.m.: 20110309-IR-326090498FRA*)

326 IAC 26-2-2 Alcoa emission limitations and compliance methods

Authority: IC 13-14-8; IC 13-14-9; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 2. Alcoa Power Generating Inc. - Warrick Power Plant, Source Identification Number 00002, and Alcoa, Inc. - Warrick Operations, Source Identification Number 00007, shall comply with the emission limitations and compliance methods as follows:

(1) Boiler 1 at Alcoa Power Generating Inc. - Warrick Power Plant shall be in compliance with the following requirements:

(A) PM (filterable) as follows:

(i) The emission limitation is three-hundredths (0.03) pounds per million British thermal units (lb/MMBtu) on a twenty-four (24) hour daily average.

(ii) The compliance method is a continuous emissions monitoring system (CEMS) at the scrubber outlet in accordance with 40 CFR 60, Appendix B, Performance Specification 11 (PS-11)*.

(B) SO₂ as follows:

(i) The removal efficiency is ninety-one percent (91%) SO₂ removal on a twenty-four (24) hour daily average.

(ii) The compliance method is a CEMS at the scrubber inlet and outlet in accordance with 40 CFR 60, Appendix B, Performance Specification 2 (PS-2)*.

(C) NO_x as follows:

(i) The emission limitation is thirty-eight hundredths (0.38) lb/MMBtu on a twenty-four (24) hour daily average.

(ii) The compliance method is a CEMS at the scrubber outlet in accordance with PS-2*.

(2) Boilers 2 and 3 at Alcoa Power Generating Inc. - Warrick Power Plant shall each be in compliance with the following requirements:

(A) PM (filterable) as follows:

(i) The emission limitation is three-hundredths (0.03) lb/MMBtu on a twenty-four (24) hour daily average.

- (ii) The compliance method is a CEMS at the scrubber outlet in accordance with PS-11*.
- (B) SO₂ as follows:
 - (i) The removal efficiency is ninety percent (90%) SO₂ removal on a twenty-four (24) hour daily average.
 - (ii) The compliance method is a CEMS at the scrubber inlet and outlet in accordance with PS-2*.
- (C) NO_x as follows:
 - (i) The emission limitation is thirty-eight hundredths (0.38) lb/MMBtu on a twenty-four (24) hour daily average.
 - (ii) The compliance method is a CEMS at the scrubber outlet in accordance with PS-2*.
- (3) Boiler 4 at Alcoa Power Generating Inc. - Warrick Power Plant shall be in compliance with PM (filterable) requirements as follows:
 - (A) The emission limitation is one-tenth (0.1) lb/MMBtu on a twenty-four (24) hour daily average.
 - (B) The compliance method is in accordance with 40 CFR 60, Appendix A, Method 5*.
- (4) Potlines 2 through 6 at Alcoa, Inc. - Warrick Operations shall be in compliance with the following requirements:
 - (A) PM (filterable) as follows:
 - (i) The emission limitation is five-thousandths (0.005) grains per standard cubic foot (grains/scf) as measured at the outlet of the primary control devices for potlines 2 through 6.
 - (ii) The compliance method is in accordance with 40 CFR 60, Appendix A, Method 5* for the:
 - (AA) Gas Treatment Center control device for potlines 3 and 4; and
 - (BB) primary control devices for potlines 2, 5, and 6, except that the stacks selected for sampling shall use the method described in the Site Specific Test Plan for measuring annual total fluoride emissions from potroom group primary control devices, as required by 40 CFR 63.847(b).
 - (B) SO₂ as follows:
 - (i) The emission limitations in 326 IAC 7-4-10(a)(4)(B) through 326 IAC 7-4-10(a)(4)(F).
 - (ii) The compliance method is 326 IAC 7-4-10(c) and:
 - (AA) 326 IAC 7-4-10(b); or
 - (BB) material balance calculations approved by the department.

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Legal Counsel, Indiana Government Center North, Thirteenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Division; 326 IAC 26-2-2; filed Feb 9, 2011, 10:26 a.m.: 20110309-IR-326090498FRA*)

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