

SECTION 2. 326 IAC 6-1-10.2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 6-1-10.2 Lake County PM₁₀ coke battery 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. 10.2. (a) The provisions of this section shall apply to those sources located in Lake County which include a coke battery.

(b) The following definitions shall apply to this section:

326 IAC 1-2-10 "Charging" definition

326 IAC 1-2-11 "Charge port" definition

326 IAC 1-2-16 "Coke oven battery" definition

Final Rules

326 IAC 1-2-17 "Coke oven topside" definition
326 IAC 1-2-18 "Coke-side" definition
326 IAC 1-2-31 "Gas collector main" definition
326 IAC 1-2-32.1 "Gooseneck cap" definition
~~326 IAC 1-2-35 "Larry car" definition~~
326 IAC 1-2-34.1 "Jumper pipe" definition
326 IAC 1-2-35 "Larry car" definition
326 IAC 1-2-49 "Offtake piping" definition
326 IAC 1-2-50 "Oven door" definition
326 IAC 1-2-60 "Pushing" definition
326 IAC 1-2-61 "Push-side" definition
326 IAC 1-2-62.1 "Quench car" definition
326 IAC 1-2-63 "Quenching" definition
326 IAC 1-2-63.1 "Quench reservoir" definition
326 IAC 1-2-63.2 "Quench tower" definition
326 IAC 1-2-77 "Standpipe lid" definition
326 IAC 1-2-87 "Underfire" definition.

(c) With the exceptions noted in this subsection, the coke batteries in Lake County shall comply with the following emission limits by December 10, 1993:

(1) Single-pass cap for oven door emissions. No visible emissions shall be permitted from more than ten percent (10%) of the observed coke oven doors on any coke oven battery. The number of coke-side doors and push-side doors shall be counted in determining compliance with this emission limit. Doors of ovens which are out of service, either temporarily or permanently, shall not be counted. A push door and a chuck door shall be counted as one (1) door. Compliance with this emission limit shall be determined in accordance with the procedure described in 326 IAC 11-3-4(c).

(2) Charging emissions. No visible emissions shall be permitted from the charging system for more than a cumulative total of one hundred twenty-five (125) seconds during five (5) consecutive charging periods. For the purpose of this subdivision, "charging system" means the equipment required to add coal to a coke battery. This includes a larry car, charge ports, jumper pipe, and offtake pipe. Compliance with this emission limit shall be determined in accordance with the procedure contained in 326 IAC 11-3-4(a).

(3) Pushing emissions. The following emission limits shall apply during pushing operations:

(A) The opacity of emissions from the coke-side of an oven to be pushed, before the first movement of the coke from the oven to the coke car begins, shall not exceed twenty percent (20%). The opacity shall be determined on an instantaneous basis at the top of the battery. The observer shall be positioned outside of the quench car rails.

(B) The opacity of emissions during the pushing operation shall not exceed twenty percent (20%). The pushing operation shall be considered to begin with the first movement of coke from the oven into the coke car and to end when the quench car enters the quench tower. The opacity shall be determined using 40 CFR 60, Appendix A, Method

9*, except that the readings shall be taken at fifteen (15) second intervals. Six (6) consecutive readings shall be averaged to determine the opacity. The observer shall only use those backgrounds that are above the elevation of the battery surface. If this condition cannot be met for six (6) consecutive readings, then the opacity shall be determined using the lesser number of consecutive readings.

(C) The particulate emissions from the control device stack shall not exceed four-hundredths (0.04) pounds per ton of coke pushed. Compliance with this emission limit shall be determined by 40 CFR 60, Appendix A, Method 5*.

(4) Charge port lid emissions. No visible emissions shall be permitted from more than three percent (3%) of the total charge port lids on operating ovens of a coke oven battery. Compliance with this emission limit shall be determined in accordance with 326 IAC 11-3-4(b).

(5) Offtake piping emissions. No visible emissions shall be permitted from more than five percent (5%) of the total offtake piping on any coke oven battery. At no time shall the visible emissions from any gooseneck cap opening exceed twenty percent (20%). An exclusion from this opacity limit shall be allowed for two (2) minutes after a gooseneck cap is opened. The opacity shall be determined on an instantaneous basis. Compliance with this emission limit shall be determined in accordance with 326 IAC 11-3-4(b).

(6) Gas collector main emissions. No visible emissions shall be permitted from the gas collector main. Compliance with this emission limit shall be determined in accordance with 326 IAC 11-3-4(e). Caps on the main shall be exempt from this requirement during maintenance.

(7) Quenching emissions at USS. At a minimum, the following procedures and practices shall be followed:

(A) The quench water, as applied to the coke, shall not exceed one thousand five hundred (1,500) milligrams per liter dissolved solids.

~~(B) One (1) fifty (50) milliliter aliquot sample of quench water will be collected during each quenching operation at each quenching location by an automatic sampling system and composited into a refrigerated container. At the end of a twenty-four (24) hour sampling period, a composite sample consisting of a total of eighty-five (85) to two hundred (200) aliquots, depending upon the number of quenches performed, will have been collected at each location. The composite sample will be mixed and a representative sample obtained for analyses. The composite quench water sample from each location shall be analyzed using Method 2540C as found in Standard Methods for the Examination of Water and Wastewater, 17th Edition, published by the American Public Health Association**.~~

~~(C) The automatic sampling system will draw fifty (50) milliliter aliquots from the header which feeds process water to the quench tower reservoirs during each quenching operation.~~

~~(D) The source shall submit results of the quench water analysis monthly to the office of air management.~~

(E) (B) A source shall submit the following information regarding its quenching operation in its CCP required to be submitted by section 10.1(l) of this rule:

(i) The source of quench water, for example, Lake Michigan water only, or a mixture of Lake Michigan water, spent quench water, and process water, and **miscellaneous sources of nonprocess water.**

(ii) The volume of quench water and the proportion of each source of water.

(F) (C) All coke oven towers shall be equipped with baffles. Baffles shall cover ninety-five percent (95%) or more of the cross-sectional area of the exhaust vent or stack for straight quench towers and must be maintained in operable condition. For offset quench towers numbers 2 and 3 at USSteel, the number and arrangement of baffles in the tower shall be maintained as designed. The source shall submit quench tower drawings showing baffle arrangement to the department and the U.S. EPA on or before December 10, 1993. Compliance with the quench tower baffle requirement shall be determined by comparison of the number and arrangement of baffles with the submitted plans.

(8) Underfire emissions requirements shall be as follows:

(A) Particulate emissions from underfire stacks shall be limited by the emission limitations contained in section 10.1(d) of this rule.

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

(9) Precarbonization emissions requirements shall be as follows:

(A) Particulate emissions from precarbonization towers shall be limited by the emission limitations contained in section 10.1(d) of this rule.

(B) Visible emissions from precarbonization towers shall comply with the requirements set forth in 326 IAC 5.

(d) The coke batteries at Inland Steel, in lieu of subsection (c)(3), (c)(5), and (c)(8) above, shall comply with the requirements of section 10.1(k)(5)(D) of this rule.

***This document is incorporated by reference. Copies of the Code of Federal Regulations have been incorporated by reference and are available may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20402 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Management Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.**

****These documents have been incorporated by reference and are available from the Indiana Department of Environmental Management, Office of Air Management, 105 South Meridian Street, Indianapolis, Indiana 46225: (Air Pollution Control Board; 326 IAC 6-1-10.2; filed May 12, 1993, 11:30 a.m.: 16**

IR 2391; filed Aug 6, 2003, 2:45 p.m.: 27 IR 85)

LSA Document #01-407(F)

Proposed Rule Published: March 1, 2003; 26 IR 1968

Hearing Held: May 7, 2003

Approved by Attorney General: July 22, 2003

Approved by Governor: August 1, 2003

Filed with Secretary of State: August 6, 2003, 2:45 p.m.

Incorporated Documents Filed with Secretary of State: None
