



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

December 15, 1999

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Mr. Scott M. Darling
ALCOA, Inc. - Warrick Operations
P.O. Box 10
Newburgh, Indiana 47629-0010

Re: 173-11414
Modification to Operation Permits
OP 87-07-91-0113

Dear Mr. Darling:

ALCOA, Inc. - Warrick Operations was issued an operation permit on July 11, 1990 for the #5 horizontal direct chill casting (HDC) complex. ALCOA, Inc. - Warrick Operations requested an alternate opacity limit for the East and West Holding Furnaces on October 5, 1998. The alternate opacity limit established for the source shall be incorporated, by amendment, into the operating permit for the source. The Operating Permit No. OP87-07-91-0113 has been modified by replacing the existing opacity condition with the new alternate opacity limit language as follows:

6. That pursuant to ~~326 IAC 5-1-2(a)(1) visible emissions (VE) from the stacks of any of the listed facilities shall be limited to 40% opacity on a 6-minute average basis as determined by VE readings taken in accordance with 326 IAC 5-1-4.~~

Pursuant to 326 IAC 5-1-5(b):

#5 Complex (HDC)

The alternate opacity limit (AOL) applies to the exhaust stacks from the East and West Holding furnaces. This AOL shall take the following form:

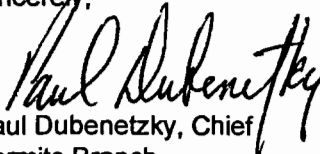
During fluxing only: Three (3) six (6)-minute average opacity readings not to exceed 80% opacity, one (1) six (6)-minute average opacity reading not to exceed 75% opacity, one (1) six (6)-minute average opacity reading not to exceed 65% opacity, and one (1) six (6)-minute opacity reading not to exceed 55% opacity. At other periods of the cycle, the opacity should be limited to 40% pursuant to 326 IAC 5-1-2(1).

Pursuant to 326 IAC 5-1-5(b)(3), this modification will become effective when this modification has been approved by the U.S. EPA as a revision to the State Implementation Plan.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Kimberly Titzer, at (800) 451-6027, press 0 and ask for extension (3-8396), or dial (317) 233-8396.

Sincerely,


Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

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cc: File - Warrick County
U.S. EPA, Region V
Warrick County Health Department
Southwest Regional Office
Air Compliance Section Inspector - Dick Sekula
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner
Title V Permit File - T173-6627-00007
Rules Section - Pat Troth