

Ms. Karen Klusman
ALCOA Inc. - Warrick Operations
P.O. Box 10
Newburgh, Indiana 47630-0010

Re: 173-11403
Amendment to CP 173-6325,
Plt ID 173-00007

Dear Ms. Klusman:

ALCOA Inc. – Warrick Operations was issued a construction permit (CP173-6325) on August 28, 1996 for an anode assembly rod cleaning machine. A letter requesting to delete language from the permit was received on September 10, 1999. The permit limits emissions of particulate matter to 5.7 lbs/hr and 3.4 lbs/hr of PM10, in order to preclude applicability of Prevention of Significant Deterioration (PSD) and also to operate a baghouse to comply with these limits. Stack testing results demonstrated compliance with the PM and PM10 limitations while the rod cleaning machine was uncontrolled. Therefore, the following condition shall be removed from the permit as follows:

- (a) ~~The baghouse shall be operated at all times when the Anode Rod Cleaning Machine is in operation.~~

Also, during testing, ALCOA could not achieve the 360 rods per hour capacity they were originally permitted for. ALCOA was made aware of the requirements in 326 IAC 3-6-3 that the anode rod cleaning station needed to operate at a minimum of 95% of it's permitted capacity. ALCOA informed IDEM that the station could not achieve this rate and that 200 rods per hour was the process rate. Therefore, the maximum capacity of the rod cleaning machine shall be changed to reflect observations during the compliance test as follows:

One (1) Anode Rod Cleaning Machine with a maximum process rate of **200** ~~360~~ rods per hour, exhausting to one (1) stack identified as "132.3" (height: 20 feet; flowrate: 6,200 acfm).

All other conditions of the permit shall remain unchanged and in effect. A copy of the stack test results are enclosed to confirm compliance with the PM and PM10 limits. 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. Please attach a copy of this amendment with the original permit.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

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cc: File - Warrick County
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