



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: September 8, 2009

RE: Alcoa Power Generating / 173-28407-00002

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-AM.dot12/3/07



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Ms. Chris Allen  
Environmental Engineer  
Alcoa Power Generating, Inc. Warrick Power Plant  
Building 860E, P.O. Box 10,  
Newburgh, Indiana 47630-0010

September 8, 2009

Re: TO 173-28407-00002  
Approval for Temporary Operation  
to Part 70 Operating Permit No. T 173-26580-00002

Dear Ms. Allen:

On August 31, 2009, Alcoa Power Generating, Inc. - Warrick Power Plant, located at 4700 Darlington Road, Newburgh, Indiana, submitted a letter informing the Office of Air Quality (OAQ) of the intention to evaluate the feasibility of using a reagent injection system to see what effects it would have on lowering sulfuric acid.

The uncontrolled emissions from this temporary operation are less than the PSD significant levels of 100 tons per year for CO, 40 tons per year for NO<sub>x</sub>, 25 tons per year for PM, 15 tons per year for PM<sub>10</sub>, 10 tons per year for PM<sub>2.5</sub>, 40 tons per year for SO<sub>2</sub>, and 40 tons per year for VOC.

## Temporary Operation General Information

Unit:	Reagent Storage Silos – 243-11 and 243-12
Location of the Operation:	4700 Darlington Road, Newburgh, IN
County:	Warrick
County Status:	Nonattainment for PM 2.5; attainment for all other criteria pollutants.
Purpose of the Trial:	To evaluate the feasibility of using a reagent injection system to see what effects it would have on lowering sulfuric acid
Starting Date of the Operation:	At least seven (7) days from the notification date. [326 IAC 2-1.1-3(h)(3)(F)]
Duration of the Operation:	Less than thirty (30) days actual operation time
Testing parameters:	PM, PM <sub>10</sub> , Sulfuric Acid

## Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h)(3), the above mentioned temporary operation shall satisfy the following requirements:

- (1) The potential emissions from the operation are less than twenty-five (25) tons for the duration of the operation. [326 IAC 2-1.1-3(g)(3)(A)]
- (2) The operation is not a major source or modification as defined by 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. [326 IAC 2-1.1-3(g)(3)(B)]

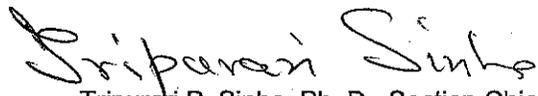
- (3) The purpose of the operation is to:
- (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention; or [326 IAC 2-1.1-3(g)(3)(C)(i)]
  - (b) temporarily conduct an operation not considered part of the normal operation or production of the facility or source. [326 IAC 2-1.1-3(g)(3)(C)(ii)]
- (4) The duration of the temporary operation or experimental trial is less than thirty (30) days of total operating time. [326 IAC 2-1.1-3(g)(3)(D)]
- (5) The owner or operator shall submit a report containing the following information, at most seven (7) days after concluding the temporary operation or experimental trial:  
[326 IAC 2-1.1-3(g)(3)(G)]
- (a) The actual start date of the construction, reconstruction, or modification.
  - (b) The duration of the temporary operation or experimental trial.
  - (c) The actual emissions occurring during the temporary operation or experimental trial.
- (6) This report shall be submitted to:  
Indiana Department of Environmental Management  
Permit Administration and Support Section  
Office of Air Quality  
100 North Senate Avenue  
MC 61-53, Room 1003  
Indianapolis, Indiana 46204-2251

Exemption Expiration Date

This approval expires after thirty (30) days of actual operating time of the experimental operation.

If you have any questions regarding this approval, please contact Deborah Cole at (800) 451-6027, ext. 4-5300 or (317) 234-5300 or [dcole@idem.in.gov](mailto:dcole@idem.in.gov).

Sincerely,



Tripurari P. Sinha, Ph. D., Section Chief  
Permits Branch  
Office of Air Quality

Enclosure: Experimental Trial Operation Report (1 page)

DAC

cc: File – Warrick County  
Warrick County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch

**Indiana Department of Environmental Management  
Office of Air Quality  
Permits Administration and Support Section**

**Temporary Operation Report**

Source Name: Alcoa Power Generating, Inc. – Warrick Power Plant  
 Source Location: 4700 Darlington Road, Newburgh, Indiana 47630  
 County: Warrick  
 TO No.: 173-28407-00002  
 Approval Reviewer: Deborah Cole

Temporary Operation	
Type of unit/operation:	
Actual starting date of the construction:	
Actual ending date of the construction:	
Actual starting date of the operation:	
Actual ending date of the operation:	
Actual number of days of the operation:	
Calculated emissions during the duration of the operation:	
Additional Comments:	

I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:



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## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Chris Allen  
Alcoa-Warrick Power  
4700 Darlington Road  
Newburgh, IN 47629

**DATE:** September 8, 2009

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Exemption  
173-28407-00002

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	DPABST 9/8/2009	173-28407-00002 FINAL			
Name and address of Sender		ALCOA - Warrick Power Plt. AGC Div of Alcoa Generating, Inc. Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	

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1		Chris Allen ALCOA - Warrick Power Plt, AGC Div of Alcoa Genera 4700 Darlington Rd Newburgh IN 47629-0010 (Source CAATS) (CONFIRM DELIVERY)										
2		Warrick County Board of Commissioners 107 W. Locust Street Suite # 301 Boonville IN 47601-0585 (Local Official)										
3		Warrick County Health Department 107 W Locust, Suite 204 Boonville IN 47601-1701 (Health Department)										
4		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
5		Mr. Randy Brown Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
6		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)										
7		Newburgh Town Council and Town Manager P.O Box 6 Newburgh IN 47630 (Local Official)										
8		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 (Affected Party)										
9		Joanne Alexandrovich Vanderburgh County Health Dept. 420 Mulberry ST. Evansville IN 47713 (Affected Party)										
10		Carly Watson 8666 Hanover Dr. Newburgh IN 47630 (Affected Party)										
11		Mr. Bill Musgrove PO Box 565 Boonville IN 47601 (Affected Party)										
12		Mr. Bil Musgrove PO Box 520 Chandler IN 47610 (Affected Party)										
13		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)										
14		Jeff Siddons 6300 Country Lane Evansville IN 47715 (Affected Party)										
15												

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