



# 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)

February 5, 2010

Harold S. Junker  
ArcelorMittal USA, Inc. - Indiana Harbor Bar Mill (Plant No. 4)  
3210 Watling Street  
East Chicago, Indiana 46312

Re: Approval for a Temporary Operation  
EX No. 089-28919-00316

Mr. Junker:

On January 25, 2010, ArcelorMittal USA, Inc. - Indiana Harbor East submitted a letter informing the Office of Air Quality (OAQ) of the intention to conduct a temporary operation to thaw water systems within the Indiana Bar Mill - Plant No. 4, known as "Indiana Harbor Long Carbon" through the use of up to two (2) temporary boilers. The potential to emit of PM<sub>10</sub> is less than fifteen (15) tons, the potential to emit of PM<sub>2.5</sub> is less than ten (10) tons per year, and the potential to emit for all other regulated pollutants is less than twenty-five (25) tons for the duration of the operation.

## Experimental Operation General Information

Units:	(a) Up to two (2) temporary boilers, rated at a maximum of 99 MMBTU/hr, total.
Location of the Operation:	3210 Watling Street, East Chicago, Indiana 46312
County:	Lake
County Status:	Nonattainment for ozone; basic nonattainment for PM <sub>2.5</sub> ; attainment for all other criteria pollutants
Purpose of the Experimental Trial:	(1) Thaw water systems within facility through use of steam and steam sparging
Starting Date of the Operation:	Seven days from the notification date, [326 IAC 2-1.1-3(h)(3)(F)]
Duration of the Operation:	Less than thirty (30) days of actual operation

## Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h) (Exemption for Temporary Operation and Experimental Trial), the above mentioned temporary operation shall satisfy the following requirements:

1. The potential emissions from the operation are less than twenty-five (25) tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation is not a major source or modification as defined under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(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(h)(3)(C)(i)]
  - (b) temporarily conduct an operation not considered as part of the normal operation or production of the facility or source. [326 IAC 2-1.1-3(h)(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(h)(3)(D)]
5. The Permittee shall submit a report containing the following information, at most seven (7) days after the conclusion of the temporary operation: [326 IAC 2-1.1-3(h)(3)(G)]
  - (a) The actual dates of the construction and operation.
  - (b) The duration of the operation.
  - (c) The actual emissions occurring during the operation.
6. The report shall be submitted to:

Indiana Department of Environmental Management  
Office of Air Quality, Permits Branch  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

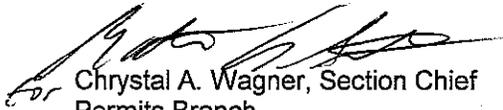
#### Expiration Date

This approval expires after thirty (30) days of actual operating time of the temporary operation related to the use of up to two (2) temporary boilers to thaw water systems within the Indiana Harbor Long Carbon facility.

#### IDEM Contact

If you have any questions regarding this approval, please contact Stephanie Wilkerson of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5329 or toll free at 1-800-451-6027, extension 4-5329.

Sincerely,

  
Chrystal A. Wagner, Section Chief  
Permits Branch  
Office of Air Quality

Enclosure: Temporary Operation and Experimental Trial Report

cc: File – Lake County  
Lake County Health Department  
IDEM Northwest Regional Office

**Indiana Department of Environmental Management  
Office of Air Quality, Permits Branch  
100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, IN 46204-2251**

**Temporary Operation and Experimental Trial Report**

Source Name: ArcelorMittal USA, Inc. - Indiana Harbor Long Carbon  
Source Location: 3210 Watling Street, East Chicago, Indiana 46312  
County Location: Lake  
Experimental Operation: 089-28919-00316

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:	

<p>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.</p>
Signature:
Printed Name:
Title/Position:
Date:

cc: IDEM Northwest Regional Office



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

**TO:** Harold S. Junker  
ArcelorMittal USA, Inc.  
3210 Watling St  
East Chicago, IN 46312

**DATE:** February 5, 2010

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

**SUBJECT:** Final Decision  
Temporary Operation  
089-28919-00316

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	CDENNY 2/5/2010 ArcelorMittal USA, Inc. 089-28919-00316 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Harold S. Junker ArcelorMittal USA, Inc. 3210 Watling St East Chicago IN 46312 (Source CAATS)										
2		John D. Fekete Director- Environmental Affairs ArcelorMittal USA, Inc. 3210 Watling St East Chicago IN 46312 (RO CAATS)										
3		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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