



# 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: April 26, 2011

RE: Phoenix Services, LLC / 089-30437-00538

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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Mr. Bruce Roth  
Phoenix Services, LLC  
P.O. Box 3070  
East Chicago, IN 46312-3070

April 26, 2011

Re: Temporary Operation (TO)  
TO No. 089-30437-00538

Dear Mr. Roth:

On April 12, 2011, Phoenix Services, LLC, East Chicago, Indiana, submitted a letter informing the Office of Air Quality (OAQ) of the intention to perform metal cutting operation using oxygen-methane torches at two temporary (2) metal cutting stations. A copy of the emission calculation has been attached with this letter as an 'Attachment A'.

#### Temporary Operation General Information

Units:	Two temporary (2) metal cutting stations
Location of the Operation:	3001 Dickey Road, East Chicago, Indiana
County:	Lake
County Status:	Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Purpose of the Operation:	Evaluate metal cutting operation using the oxygen-methane cutting torches
Starting Date of the Operation:	Seven days from the notification date [326 IAC 2-1.1-3(h)(3)(F)]
Duration of the Operation:	30 days of actual operation

#### 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 should be less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation should not be a major 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 collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention. [326 IAC 2-1.1-3(h)(3)(C)(i)]
4. The duration of the operation should not exceed 30 days of actual operation. [326 IAC 2-1.1-3(h)(3)(D)]
5. The source shall submit a report containing the following information, seven (7) days after the conclusion of the 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.

East Chicago, Indiana  
Permit Writer: Mehul Sura

TO No. 089-30437-00538

(c) The actual emissions occurring during the operation.

6. The 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 IGCN 1003  
Indianapolis, Indiana 46204-2251

Temporary Operation (TO) Expiration Date

This approval expires after 30 days of actual operating time of the operation.

If you have any questions regarding this approval, please contact Mehul Sura of my staff at 317-233-6868 or at 1-800-451-6027, ext 3-6868.

Sincerely,



Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

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Enclosure: Temporary Operation Report (1 page)  
Attachment A - Emission Calculation

cc: File - Lake County  
Lake County Health Department  
Compliance and Enforcement Branch  
North West Regional Office (NWRO)

Susan Grenzebach  
OCS Environmental, Inc.  
130 Lincoln Street, Suite 1  
Porter, IN 46034

**Emissions Calculations****Thermal Cutting**

Company Name: Phoenix Services, LLC  
 Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana  
 Temporary Operation No. 089-30437-00538  
 Reviewer: Mehul Sura  
 Date: 4/18/2011

Number of Stations	Max. Metal Thickness	Max. Metal Cutting Rate	EMISSION FACTORS			
			(lb pollutant/1,000 inches cut, 1" thick)			
	Cut (in.)	(in./minute)	PM = PM10	Mn	Ni	Cr
2	28	3.5	0.0815	0.0002	0	0.0002

	PM = PM10	Mn	Ni	Cr	HAPS
oxygen-methane cutting (lb/hr)	0.958	0.002	0	0.002	0.005
Potential Emissions lbs/day	23.00	0.06	0	0.06	0.11
Potential Emissions tons/year	4.20	0.01	0	0.01	0.02

**METHODOLOGY**

Emission factors are provided by the source which are derived from information contained in a document "Fumes and Gases in the Welding Environment".

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.



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

**TO:** Keith Flynn  
Phoenix Services, LLC-contractor of Arcelor Mittal  
PO Box 3070  
E Chicago, IN 46312

**DATE:** April 26, 2011

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

**SUBJECT:** Final Decision  
Temporary Operation  
089-30437-00538

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 4/26/2011 Phoenix Services, LLC-contractor of Arcelor Mittal (318) 089-30437-00538 (final)			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	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling 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		Keith Flynn Phoenix Services, LLC-contractor of Arcelor Mittal PO Box 3070 E Chicago IN 46312 (Source CAATS)									
2		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)									
3		Susan Grenzebach OCS Environmental 130 Lincoln St. Porter IN 46304 (Consultant)									
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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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