



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

TO: Interested Parties / Applicant  
DATE: April 21, 2005  
RE: Nucor Steel / 107-20888-00038  
FROM: Paul Dubenetzky  
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, Room 1049, 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.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
*We make Indiana a cleaner, healthier place to live.*

---

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David Sulc  
Nucor Steel  
4537 South Nucor Road  
Crawfordsville, IN 47933

April 21, 2005

Re: **107-20888-00038**  
Second Permit Amendment to PSD 107-18314-00038  
and Amendment 107-19385-00038

Dear Mr. Sulc:

On May 27, 2004, Nucor Steel was issued a Prevention of Significant Deterioration permit (PSD 107-18314-00038) for the modification of the Castrrip Line. On March 7, 2005, the Office of Air Quality (OAQ) received a second permit amendment request to revise the final permit.

Based on the information submitted by Nucor Steel and pursuant to 326 IAC 2-7-11(a), Sections A.2 and D.1 are hereby amended as indicated in the technical support document.

All other conditions of PSD permit 107-18314-00038 shall remain unchanged and in effect. This permit decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this amendment, please contact Ms. Iryn Calilung of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, , Indianapolis, Indiana 46204 or by telephone at (317) 233-5692 or toll free at 1-800-451-6027 extension 3-5692.

Sincerely,

Original signed by  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Enclosure: Permit and TSD  
cc: File – Montgomery County  
Montgomery County Health Department  
Air Compliance Section Inspector – RTS  
Compliance Data Section - KA  
Technical Support and Modeling - MB  
Part 70 Operating Permit Reviewer – MG





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**Prevention of Significant Deterioration  
Part 70 Significant Source Modification  
OFFICE OF AIR QUALITY**

**Nucor Steel  
4537 South Nucor Street  
Crawfordsville, IN 47933**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

This approval is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

This permit is also issued under the provisions of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section C, Emergency Provisions.

PSD/SSM No.:	107-18314-00038	Issuance Date:	May 27, 2004
First Permit Amendment No.:	107-19385-00038	Issuance Date:	August 23, 2004

<b>Second Permit Amendment No.: 107-20888-00038</b>		<b>Sections A.2 and D.1</b>	
Issued by: Original signed by  Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: <b>April 21, 2005</b>		



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**Emergency Occurrence Report**

**Semiannual Natural Gas Fired Boiler Certification**

**Semiannual Compliance Report (40 CFR Part 63, Subpart DDDDD)**

## SECTION A SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the emission units contained in conditions A.1 through A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary steel mini-mill that produces all grades of carbon and stainless steel, all grades of alloy steel, all grades of ultra low and low carbon steel, flat rolled, hot rolled, cold rolled, galvanized, pickled and oiled steel (slabs, sheets) products.

Source Name:	Nucor Steel
Source Location:	4537 South Nucor Street, Crawfordsville, IN 47933
Mailing Address:	4537 South Nucor Street, Crawfordsville, IN 47933 RR2, Box 311, Crawfordsville, IN 47933
General Telephone Number:	765-364-1323
General Facsimile Number:	765-364-5311
Responsible Official:	General Manager
County Location:	Montgomery
SIC Code:	3312 (Steel Mill)
Source Categories:	1 of 28 Listed Source Categories Major PSD Source Major Source, CAA Section 112

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source is approved to construct, modify and operate the following emission units and pollution control devices:

- (1) One (1) vacuum degasser with process gas lances. This vacuum degasser has a maximum capacity of 135 tons of steel/hour. This vacuum degasser will be used to remove entrained gases from the steel. Desulfurization and/or decarburization may also occur during the degassing process.

This vacuum degasser will use an **enclosed** flare to control carbon monoxide (CO) emissions. The **enclosed** flare burner has a maximum capacity of 2 MMBTU/hour, uses natural gas as primary fuel with propane as back up fuel, and operates within the temperature range of 1,400 to 1,600 °F. Controlled emissions will exhaust through a stack identified as Stack 500.

The maximum capacity of the vacuum degasser is the same as the ladle metallurgical station (LMS) and Caster in the Castrip Line.

- (2) One (1) natural gas fueled low NO<sub>x</sub> boiler, rated at 71.04 million British Thermal Unit per hour (MMBTU/hour). This boiler, identified as Boiler No. 501, will provide steam to the

vacuum degasser. Propane will be used as back up fuel. Emissions from this boiler will exhaust through a stack identified as Stack 501.

- (3) One (1) natural gas fueled ladle preheater, rated at 12 MMBTU/hour. Propane will be used as back up fuel. Emissions from the ladle preheater will exhaust through roof monitor (S-21, also identified as 105,106). Some emissions of this ladle preheater may also exhaust through the Castrip LMS Baghouse stack S-20.

The addition of this ladle preheater will result in a total of 3 ladle preheaters for the Castrip Line.

- (4) One (1) contact cooling tower, rated at 8,000 gallons/minute, with drift/mist eliminators for particulate control. Emissions from this cooling tower will exhaust through stacks identified as Stack 502 and Stack 503.
- (5) One (1) noncontact cooling tower, rated at 8,000 gallons/minute, with drift/mist eliminators for particulate control. Emissions from this cooling tower will exhaust from stacks identified as Stack 504 and Stack 505.
- (6) Chemical storage tanks for sulfuric or similar acid, sodium hypochlorite or similar disinfectant, caustic, polymer, and phosphate.
- (7) Associated alloy unloading, storage and feed systems:  
(a) One (1) truck dump station  
(b) Truck unloading/conveyors  
(c) Eight (8) storage hoppers, all exhausting to a common bin vent, rated at 0.01 grains/dry standard cubic foot, into the building.

Alloy unloading is performed in a 3-sided building along the side of the existing Castrip building.

### A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (US EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## **SECTION B                    GENERAL CONSTRUCTION CONDITIONS**

### **B.1      Definitions [326 IAC 2-7-1]**

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### **B.2      Effective Date of the Permit [IC13-15-5-3]**

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

### **B.3      Revocation of Permits [326 IAC 2-2-8]**

Pursuant to 326 IAC 2-2-8(a)(1), this permit to construct shall expire if construction is not commenced within eighteen (18) months after receipt of this approval, if construction is discontinued for a period of eighteen (18) months or more, or if construction is not completed within a reasonable time. The IDEM may extend the eighteen (18) month period upon satisfactory showing that an extension is justified.

### **B.4      Significant Source Modification [326 IAC 2-7-10.5(h)]**

This document shall also become the approval to operate pursuant to 326 IAC 2-7-10.5(h) when, prior to start of operation, the following requirements are met:

- (a)      The attached affidavit of construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed or modified as proposed in the application or the permit. The emissions units covered in the Significant Source Modification approval may begin operating on the date the affidavit of construction is postmarked or hand delivered to IDEM if constructed as proposed.

If construction is completed in phases: i.e.: the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for NSPS shall be applicable for to each individual phase.

- (b)      If actual construction or modification of the emissions units differs from the construction or modification proposed in the application or the permit in a manner that is regulated under the provisions of 326 IAC 2-2, the Permittee may not begin operation until the source modification has been revised pursuant to the provisions of that rule and the provisions of 326 IAC 2-1.1-6 and an Operation Permit Validation Letter is issued.
- (c)      If actual construction of the emissions units differs from the construction proposed in the application or the permit in a manner that is not regulated under the provisions of 326 IAC 2-2, the Permittee may not begin operation until the source modification has been revised pursuant to the provisions of that rule and the provisions of 326 IAC 2-7-11 or 326 IAC 2-7-12 and an Operation Permit Validation Letter is issued.
- (d)      The Permittee shall attach the Operation Permit Validation Letter received from the OAQ.
- (e)      The changes covered by the Significant Source Modification will be included in the Title V draft.

- (f) In the event that the Part 70 application is being processed at the same time as this application, the following additional procedures shall be followed for obtaining the right to operate:
- (i) If the Part 70 draft permit has not gone on public notice, then the change/addition covered by the Significant Source Modification will be included in the Part 70 draft.
  - (ii) If the Part 70 permit has gone through final EPA proposal and would be issued ahead of the Significant Source Modification, the Significant Source Modification will go through a concurrent 45 day EPA review. Then the Significant Source Modification will be incorporated into the final Part 70 permit at the time of issuance.
  - (iii) If the Part 70 permit has gone through public notice, but has not gone through final EPA review and would be issued after the Significant Source Modification is issued, then the Modification would be added to the proposed Part 70 permit, and the Title V permit will issued after EPA review.

B.5 General Provisions and NSPS Reporting [326 IAC 12-1][40 CFR Part 60, Subpart A]

- (a) The provisions of 40 CFR Part 60, Subpart A (General Provisions), which are incorporated by reference in 326 IAC 12-1, apply to Boiler No. 501.
- (b) Pursuant to the New Source Performance Standards (NSPS), 40 CFR Subpart Dc, the Permittee shall report the following at the appropriate times:
- (i) Commencement of construction date (no later than 30 days after such date) of Boiler No. 501. [40 CFR 60.7a(10)]
  - (ii) Actual start-up date (within 15 days after such date) of Boiler No. 501. [40 CFR 60.7a(3)]
  - (iii) Date of performance testing (at least 30 days prior to such date), when required by a condition elsewhere in this permit.

Reports are to be sent to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, IN 46204

The application and enforcement of these standards have been delegated to the IDEM, OAQ.

The requirements of 40 CFR Part 60 are also federally enforceable.

<b>SECTION C</b>	<b>GENERAL OPERATION CONDITIONS</b>
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C.1 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

C.2 Preventive Maintenance Plan (PMP) [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare, maintain and implement Preventive Maintenance Plans (PMPs) upon start up of the new emission units, including the following information on each facility:
  - (i) Identification by jobs or titles of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (ii) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (iii) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit.

The PMP does not require the certification by the responsible official as defined by 326 IAC 2-7-1(34).
- (d) To the extent the Permittee is required by 40 CFR Part 60 or 40 CFR 63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

C.3 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

Any such application shall be certified by the responsible official as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

**C.4 Opacity [326 IAC 5-1]**

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Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 5-1-2 (Opacity Limitations) is not federally enforceable.

**C.5 Fugitive Dust Emissions [326 IAC 6-4]**

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The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

326 IAC 6-4-2(4) is not federally enforceable.

**C.6 Operation of Equipment [326 IAC 2-7-6(6)]**

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Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

**C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]**

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The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

**Testing Requirements [326 IAC 2-7-6(1)]**

**C.8 Performance Testing [326 IAC 3-6][326 IAC 2-1.1-11]**

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ. A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the responsible official as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the responsible official as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

#### **Compliance Requirements [326 IAC 2-1.1-11]**

##### **C.9 Compliance Requirements [326 IAC 2-1.1-11]**

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- (a) The Commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11.
- (b) Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the US EPA.

#### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

##### **C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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Except as otherwise provided in Section D, all monitoring and record keeping requirements, as required in Section D, shall be implemented when operation begins. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

##### **C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

##### **C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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Whenever a condition in this permit requires the measurement of a temperature, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( ± 2%) of full scale reading.

**Corrective Actions and Reasonable Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]**

C.13 Compliance Response Plan (CRP) - Preparation, Implementation, Records, and Reports  
[326 IAC 2-7-5] [326 IAC 2-7-6]

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- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit.

A CRP shall be submitted to IDEM, OAQ upon request.

The CRP shall be prepared, prior to the start up operation of the modified units, by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

- (i) Reasonable response steps that may be implemented in the event that a reasonable response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
- (ii) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such reasonable response steps taken.

If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan under 40 CFR 60 or 40 CFR 63 , such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (i) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan; or
  - (ii) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional reasonable response steps as expeditiously as practical. Taking such additional reasonable response steps shall not be considered a deviation from this permit so long as the Permittee documents such reasonable response steps in accordance with this condition.
  - (iii) If the Permittee determines that additional reasonable response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.

- (iv) Failure to take reasonable response steps shall be considered a deviation from the permit.

The OMM Plan or Parametric Monitoring and SMM Plan shall be submitted (as applicable) within the time frames specified by the applicable 40 CFR 60 or 40 CFR 63 requirement.

- (c) The Permittee is not required to take any further reasonable response steps for any of the following reasons:
  - (i) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (ii) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (iii) An automatic measurement was taken when the process was not operating.
  - (iv) The process has already returned or is returning to operating within normal parameters and no reasonable response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section C-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, reasonable response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section C.15 - Emergency Provisions), the probable cause of such deviations, and any reasonable response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

C.15 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (i) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (ii) The permitted facility was at the time being properly operated;
- (iii) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (iv) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section),

or

Telephone Number: 317-233-5674 (ask for Compliance Section)

Facsimile Number: 317-233-5967

- (v) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

- (vi) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
[326 IAC 2-7-6]

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- (a) When the results of a stack test performed in conformance with Section C.8 - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliance stack tests.

The response action documents submitted pursuant to this condition do require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

## **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

### C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)] [326 IAC 2-6]

- (a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6. The emission statement shall meet the following requirements:
- (i) Indicate estimated actual emission of pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
  - (ii) Indicate estimated actual emissions of regulated pollutants (as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

The emission statement does require the certification by the responsible official as defined by 326 IAC 2-1.1-1(1).

- (b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

### C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

### C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the reasonable response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period.

The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the responsible official as defined by 326 IAC 2-7-1(34).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the responsible official as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.
- (f) Reporting periods are based on calendar years.

C.20 Part 2 Maximum Achievable Control technology (MACT) Application

Pursuant to the application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)] [40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]

- (a) The Permittee shall submit a Part 2 Maximum Achievable Control technology (MACT) Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).
- (b) Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:
- (i) The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;
- (ii) The MACT standard or standards for the affected source categories included at the source are promulgated.
- (c) Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT Application deadline or prior to the issuance of permit with a case-by-case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 63, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

United States Environmental Protection Agency, Region V  
Director, Air and Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

One (1) vacuum degasser with process gas lances. This vacuum degasser has a maximum capacity of 135 tons of steel/hour. This vacuum degasser will be used to remove entrained gases from the steel. Desulfurization and/or decarburization may also occur during the degassing process.

This vacuum degasser will use an **enclosed** flare to control carbon monoxide (CO) emissions. The **enclosed** flare burner has a maximum capacity of 2 MMBTU/hour, uses natural gas as primary fuel with propane as back up fuel, and operates within the temperature range of 1,400 to 1,600 °F. Controlled emissions will exhaust through a stack identified as Stack 500.

The maximum capacity of the vacuum degasser is the same as the ladle metallurgical station (LMS) and Caster in the Castrip Line.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.1.1 Vacuum Degasser PSD BACT Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The carbon monoxide (CO) emissions from the vacuum degasser shall be controlled by a flare that uses natural gas as primary fuel, and propane as back up fuel.
- (b) The carbon monoxide (CO) emissions from the vacuum degasser shall not exceed 0.075 pounds per ton of steel, and 10.125 pounds per hour, based on a 3-hour block average.
- (c) The sulfur dioxide (SO<sub>2</sub>) emissions from the vacuum degasser shall not exceed 0.02 pounds per ton of steel, and 2.7 pounds per hour, based on a 3-hour block average.
- (d) The nitrogen oxides (NO<sub>x</sub>) emissions from the vacuum degasser shall not exceed 0.005 pounds per ton of steel, and 0.675 pounds per hour, based on a 3-hour block average.
- (e) The volatile organic compound (VOC) emissions from the vacuum degasser shall not exceed 0.005 pounds per ton of steel, and 0.675 pounds per hour, based on a 3-hour block average.
- (f) The particulate emissions from the vacuum degasser shall not exceed 0.008 grain per dry standard cubic foot, and 0.45 pounds per hour, based on a 3-hour block average.
- (g) The opacity from the vacuum degasser **enclosed** flare stack (Stack 500) shall not exceed 3% opacity, based on a six-minute average.

#### D.1.2 Operational Flexibility [326 IAC 2-2]

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee may operate the vacuum degasser as follows:

- (a) The gases can be removed from the steel after the steel has gone through the Castrip Ladle Metallurgical Station (LMS).  
Or
- (b) The gases can be removed from the steel before the steel goes through the Castrip Ladle Metallurgical Station (LMS).  
Or
- (c) The gases can be removed from the steel and the steel sent back to the Meltshop Continuous Casters for casting.  
Or
- (d) The steel may bypass the vacuum degassing process.

#### D.1.3 Flare (2 MMBTU/hour) PSD BACT Limits [326 IAC 2-2]

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The 2 million British Thermal Unit per hour (MMBTU/hour) **enclosed** flare burner shall use natural gas as primary fuel and propane as back up fuel.
- (b) The collateral nitrogen oxide (NO<sub>x</sub>) emissions from the 2 MMBTU/hour flare burner shall not exceed 0.10 pounds per MMBTU.
- (c) The collateral sulfur dioxide (SO<sub>2</sub>) emissions from the 2 MMBTU/hour flare burner shall not exceed 0.0006 pounds per MMBTU.
- (d) The collateral carbon monoxide (CO) emissions from the 2 MMBTU/hour flare burner shall not exceed 0.084 pounds per MMBTU.
- (e) The collateral volatile organic compound (VOC) emissions from the 2 MMBTU/hour flare burner shall not exceed 0.0055 pounds per MMBTU.
- (f) The collateral **PM/PM<sub>10</sub>** (filterable and condensable) emissions from the 2 MMBTU/hour flare burner shall not exceed 0.0076 pounds per MMBTU.

#### D.1.4 Preventive Maintenance Plan (PMP) [326 IAC 2-7-5(13)]

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A Preventive Maintenance Plan (PMP), in accordance with Section C - Preventive Maintenance Plan (PMP), of this permit, is required for the vacuum degasser and its flare.

### **Compliance Determination Requirements [326 IAC 2-1.1-11]**

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#### **D.1.5 Control Equipment Operation [326 IAC 2-2 ]**

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The flare shall be in operation and control carbon monoxide (CO) emissions at all times when the vacuum degasser is in operation.

#### **D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [326 IAC 2-2]**

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Within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up of the vacuum degasser and enclosed flare, the Permittee shall perform carbon monoxide (CO) testing on Stack 500 to show compliance with Conditions D.1.1(b) and D.1.3(d).

These tests shall be performed using methods as approved by the Commissioner.

Testing shall be conducted in accordance with Section C - Performance Testing.

### **Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

#### **D.1.7. Flare Operating Parameters [326 IAC 2-7-5] [326 IAC 2-7-6]**

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- (a) The flare for the carbon monoxide (CO) emissions reductions shall be operated with a flame present at all times when the vacuum degasser is in operation.
- (b) The presence of a flare pilot flame shall be monitored using a thermocouple or any equivalent device to detect the presence of the flame.

### **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.1.8 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

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- (a) The Permittee shall maintain records required under 326 IAC 3-5-6 at the source in a manner that they may be inspected by the IDEM, OAQ, or the US EPA, if so requested or required.
- (b) The Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan (PMP), and make available upon request to IDEM, OAQ and the US EPA.
- (c) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

One (1) natural gas fueled low NO<sub>x</sub> boiler, rated at 71.04 million British Thermal Unit per hour (MMBTU/hour). This boiler, identified as Boiler No. 501, will provide steam to the vacuum degasser. Propane will be used as back up fuel. Emissions from this boiler will exhaust through a stack identified as Stack 501.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.2.1 Boiler No. 501 PSD BACT Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) Boiler No. 501 shall use natural gas as primary fuel and propane as backup fuel.
- (b) The nitrogen oxides (NO<sub>x</sub>) emissions from Boiler No. 501 shall not exceed 0.035 pounds per MMBTU.
- (c) The carbon monoxide (CO) emissions from Boiler No. 501 shall not exceed 0.061 pounds per MMBTU.
- (d) The volatile organic compound (VOC) emissions from Boiler No. 501 shall not exceed 0.0026 pounds per MMBTU.
- (e) The sulfur dioxide (SO<sub>2</sub>) emissions from Boiler No. 501 shall not exceed 0.0006 pounds per MMBTU.
- (f) The PM/PM<sub>10</sub> (filterable and condensable) emissions from Boiler No. 501 shall not exceed 0.0076 pounds per MMBTU.

#### D.2.2 General Provisions Relating to NSPS and NESHAP

[326 IAC 12-1][40 CFR Part 60, Subpart A] [326 IAC 20-1-1] [40 CFR Part 63, Subpart A]

- (a) The provisions of 40 CFR Part 60, Subpart A (General Provisions), which are incorporated by reference in 326 IAC 12-1, apply to Boiler No. 501, except when otherwise specified in 40 CFR Part 60, Subpart Dc.
- (b) The provisions of 40 CFR Part 63, Subpart A (General Provisions), which are incorporated by reference in 326 IAC 20-1-1, apply to Boiler No. 501, except when otherwise specified in 40 CFR Part 63, Subpart DDDDD.

#### D.2.3 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63, Subpart DDDDD]

- (a) Boiler No. 501 is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, (40 CFR 63, Subpart DDDDD), and considered a new affected source because Boiler No. 501 is going to be constructed after January 13, 2003 and will be used for manufacturing and processing to provide steam.

- (b) The definitions of 40 CFR 63, Subpart DDDDD at 40 CFR 63.7575 are applicable to Boiler No. 501.
- (c) Pursuant to 40 CFR Part 63.7500 and Table 1 to Subpart DDDDD, upon start up, the Permittee shall maintain the carbon monoxide (CO) emissions from Boiler No. 501 at or below an exhaust concentration of 400 parts per million (ppm) by volume on a dry basis corrected to 3% oxygen (3-run average for units less than 100 MMBTU/hour).

**D.2.4 Startup, Shutdown or Malfunction Plan (SSMP) [40 CFR Part 63, Subpart DDDDD]**

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- (a) Pursuant 40 CFR Part 63.7505(e), the Permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) for carbon monoxide (CO) according to the provisions of 40 CFR Part 63.6(e)(3).
- (b) Pursuant to 40 CFR Part 63.7540(c), during periods of startup, shutdown or malfunctions, the Permittee shall operate in accordance with the written SSMP.
- (c) Pursuant to 40 CFR Part 63.7540(d), deviations that occur during a period of startup, shutdown, or malfunction are not violations if the Permittee demonstrate that operations were in accordance with the written SSMP.

**D.2.5 Preventive Maintenance Plan (PMP) [326 IAC 2-7-5(13)]**

---

- (a) A Preventive Maintenance Plan (PMP), in accordance with Section C - Preventive Maintenance Plan (PMP), of this permit, is required for Boiler No. 501.
- (b) To the extent the Permittee is required by 40 CFR Part 63, Subpart DDDDD to have a Startup, Shutdown or Malfunction plan (SSMP) for Boiler No. 501, such SSM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for Boiler No. 501.

**Compliance Determination Requirements [326 IAC 2-1.1-11]**

**D.2.6 Low NO<sub>x</sub> Burners [326 IAC 2-2]**

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall equip and operate Boiler No. 501 with natural gas fueled low NO<sub>x</sub> burners and perform good combustion practices.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

**D.2.7 Initial Compliance [40 CFR Part 63, Subpart DDDDD]**

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Pursuant to 40 CFR Part 63.7530, the Permittee shall demonstrate initial compliance by conducting initial performance test for CO according to Table 5 of 40 CFR Part 63, Subpart DDDDD.

**D.2.8 Annual Carbon Monoxide (CO) Performance Tests 40 CFR Part 63, Subpart DDDDD**

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Pursuant to 40 CFR Part 63.7515(a), the Permittee shall conduct a CO performance test on an annual basis. CO annual performance tests must be completed between 10 and 12 months after the previous performance test.

## **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

### D.2.9 Initial Notification [40 CFR 63, Subpart DDDDD]

- (a) Pursuant to 40 CFR 63.7545(c), the Permittee shall submit an Initial Notification no later than 120 days after the initial startup of Boiler No. 501.
- (b) Pursuant to 40 CFR Part 63.7445(c)(1), the Initial Notification shall contain the information specified in 40 CFR 63.9(b).
- (c) The Initial Notification shall be submitted to:
- Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204
- and
- United States Environmental Protection Agency, Region V  
Director, Air and Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590
- (d) The Initial Notification requires the certification by the responsible official as defined by 326 IAC 2-7-1(34).

### D.2.10 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- (a) Pursuant to 40 CFR 63.7555(d)(1) and 40 CFR Part 60, Subpart Dc, the Permittee shall keep records of monthly fuel used by Boiler No. 501, including the types of fuel and amount used.
- (b) Pursuant to 40 CFR 63.7555(a)(1), the Permittee shall keep records of a copy of each notification and report to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report.
- (c) Pursuant to 40 CFR Part 63.7555(a)(2), the Permittee shall keep records related to startup, shutdown and malfunction.
- (d) The Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan (PMP), and make available upon request to IDEM, OAQ and the US EPA.
- (e) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

### D.2.11 Vendor Certification [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall obtain and submit with the Affidavit of Construction (Condition B.4) all vendor guarantees for Boiler No. 501 to demonstrate compliance with the BACT limits specified in Condition D.2.1 of this permit.

D.2.12 Reporting Requirements [326 IAC 2-1.1-11] [40 CFR 63, Subpart DDDDD]

(a) Pursuant to 40 CFR Part 63.7550 and Table 10 to Subpart DDDDD, the Permittee shall submit a semi annual compliance report, using the Semiannual Report Form at the end of this permit or its equivalent.

(i) The first semiannual compliance report must cover the period beginning on the compliance date specified in 40 CFR Part 63.7495 and ending June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for this source in 40 CFR Part 63.7595.

This first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified in 40 CFR Part 63.7495.

(ii) Each subsequent compliance report must cover the semi annual reporting period from January 1 through June 30 or the semi annual reporting period from July 1 through December 31. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semi annual reporting period.

(iii) The compliance report must contain the following information:

- (A) Company name and address [40 CFR 63.7550(c)(1)]
- (B) Responsible Official Certification [40 CFR 63.7550(c)(2)]
- (C) Date of report and beginning and ending dates of the reporting period [40 CFR 63.7550(c)(3)]
- (D) The total fuel used by Boiler No. 501, for each calendar month within the semi annual reporting period, including, but not limited to a description of the fuel and the total fuel usage amount. [40 CFR 63.7550(c)(4)]
- (E) A signed statement indicating that no new type of fuel was burned. [40 CFR 63.7550(c)(6)]
- (F) Actions taken consistent with the SSMP during start up, shutdown, or malfunction. [40 CFR 63.7550(c)(9)]

(b) The natural gas boiler certification for Boiler No. 501 shall be submitted semi-annually to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form (Semi Annual Natural Gas Fired Boiler Certification) located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported.

The natural gas-fired boiler certification does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

## SECTION D.3 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

- (1) One (1) natural gas fueled ladle preheater, rated at 12 MMBTU/hour. Propane will be used as back up fuel. Emissions from the ladle preheater will exhaust through roof monitor (S-21, also identified as 105,106). Some emissions of this ladle preheater may also exhaust through the Castrip LMS Baghouse stack S-20.

The addition of this ladle preheater will result in a total of 3 ladle preheaters for the Castrip Line.

- (2) One (1) contact cooling tower, rated at 8,000 gallons/minute, with drift/mist eliminators for particulate control. Emissions from this cooling tower will exhaust through stacks identified as Stack 502 and Stack 503.
- (3) One (1) noncontact cooling tower, rated at 8,000 gallons/minute, with drift/mist eliminators for particulate control. Emissions from this cooling tower will exhaust from stacks identified as Stack 504 and Stack 505.
- (4) Chemical storage tanks for sulfuric or similar acid, sodium hypochlorite or similar disinfectant, caustic, polymer, and phosphate.
- (5) Associated alloy unloading, storage and feed systems:
  - (a) One (1) truck dump station
  - (b) Truck unloading/conveyors
  - (c) Eight (8) storage hoppers, all exhausting to a common bin vent, rated at 0.01 grains/dry standard cubic foot, into the building.

Alloy unloading is performed in a 3-sided building along the side of the existing Castrip building.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.3.1 Ladle Preheater PSD BACT Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The ladle preheater shall use natural gas as main fuel and propane as back up fuel.
- (b) The nitrogen oxides (NO<sub>x</sub>) emissions from the ladle preheater shall not exceed 0.10 pounds per MMBTU.
- (c) The carbon monoxide (CO) emissions from the ladle preheater shall not exceed 0.084 pounds per MMBTU.
- (d) The volatile organic compound (VOC) emissions from the ladle preheater shall not exceed 0.0055 pounds per MMBTU.

- (e) The sulfur dioxide (SO<sub>2</sub>) emissions from the ladle preheater shall not exceed 0.0006 pounds per MMBTU.
- (f) The PM/PM<sub>10</sub> (filterable and condensable) emissions from the ladle preheater shall not exceed 0.0076 pounds per MMBTU.

**D.3.2 Cooling Towers PSD BACT Limits [326 IAC 2-2]**

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The drift rate from each cooling tower shall not exceed 0.005%.
- (b) The visible emissions from each cooling tower shall not exceed 20% opacity, based on a 6-minute average.

**D.3.3 Alloy Handling PSD BACT [326 IAC 2-2]**

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- (a) Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall perform alloy unloading in a 3-sided building.
- (b) Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the visible emissions from the alloy unloading shall not exceed 3% opacity, based on a 6-minute average.

**D.3.4 Preventive Maintenance Plan (PMP) [326 IAC 2-7-5(13)]**

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A Preventive Maintenance Plan (PMP), in accordance with Section C - Preventive Maintenance Plan (PMP), of this permit, is required for the drift/mist eliminators.

**Compliance Determination Requirements [326 IAC 2-1.1-11]**

**D.3.5 Low NO<sub>x</sub> Burners [326 IAC 2-2]**

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall equip and operate the ladle preheater with natural gas fueled low NO<sub>x</sub> burner and perform good combustion practices.

**D.3.6 Control Operation [326 IAC 2-2]**

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- (a) The drift/mist eliminators shall be in operation and control particulate emissions at all times when the cooling towers are in operation.
- (b) The common bin vent shall be in operation and control particulate emissions at all times when one or more of the eight storage hoppers are in operation.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

None

**Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.3.7 Vendor Certification [326 IAC 2-2]**

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Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall obtain and submit with the Affidavit of Construction (Condition B.4) all vendor guarantees for the:

- (i) ladle preheater, and
- (ii) cooling towers

to demonstrate compliance with the BACT limits specified in Conditions D.3.1 and D.3.2(a) of this permit.

**D.3.8 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

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- (a) The Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan (PMP), and make available upon request to IDEM, OAQ and the US EPA.
- (b) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**CERTIFICATION**

Source Name: Nucor Steel  
Source Location: 4537 South Nucor Street, Crawfordsville, IN 47933  
Mailing Address: 4537 South Nucor Street, Crawfordsville, IN 47933  
RR2, Box 311, Crawfordsville, IN 47933

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this approval.**

Please check what document is being certified:

- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- 40 CFR 63, Subpart DDDDD )
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Nucor Steel  
Source Location: 4537 South Nucor Street, Crawfordsville, IN 47933  
Mailing Address: 4537 South Nucor Street, Crawfordsville, IN 47933  
RR2, Box 311, Crawfordsville, IN 47933

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

<p>This report shall be submitted quarterly based on a calendar year.</p> <p>Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the reasonable response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period". Additional pages may be attached if necessary.</p>
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD
Permit Requirement (specify permit condition #)
Date of Deviation:
Duration of Deviation:
Number of Deviations:
Probable Cause of Deviation:
Reasonable Response Steps Taken:
Permit Requirement (specify permit condition #)
Date of Deviation:
Duration of Deviation:
Number of Deviations:
Probable Cause of Deviation:
Reasonable Response Steps Taken:

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Telephone: \_\_\_\_\_

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY, COMPLIANCE BRANCH**

**EMERGENCY OCCURRENCE REPORT**

Source Name: Nucor Steel  
Source Location: 4537 South Nucor Street, Crawfordsville, IN 47933  
Mailing Address: 4537 South Nucor Street, Crawfordsville, IN 47933  
RR2, Box 311, Crawfordsville, IN 47933

This is an emergency as defined in 326 IAC 2-7-1(12)

The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and

The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

Address: 100 North Senate Avenue, Indianapolis, Indiana 46204

This EMERGENCY OCCURRENCE REPORT consists of 2 pages.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

Date/Time Emergency started:

Date/Time Emergency was corrected:

**Page 2 of 2 of the EMERGENCY OCCURRENCE REPORT**

Was the facility being properly operated at the time of the emergency?    Y    N

Describe:

Type of Pollutants Emitted: TSP, PM<sub>10</sub>, SO<sub>2</sub>, VOC, NO<sub>x</sub>, CO, Pb, other:

Estimated amount of pollutant(s) emitted during emergency:

Describe the steps taken to mitigate the problem:

Describe the corrective actions/ reasonable response steps taken:

Describe the measures taken to minimize emissions:

If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Telephone: \_\_\_\_\_

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is NOT required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**SEMI ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Nucor Steel  
Source Location: 4537 South Nucor Street, Crawfordsville, IN 47933  
Mailing Address: 4537 South Nucor Street, Crawfordsville, IN 47933  
RR2, Box 311, Crawfordsville, IN 47933

Natural Gas Only
Alternate Fuel Burned
From: _____ To: _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Telephone:
Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD)  
Permit Amendment to a PSD Permit  
and Part 70 Significant Source Modification**

<b>Source Background and Description</b>
--

Source Name:	Nucor Steel
Source Location:	4537 South Nucor Street, Crawfordsville, IN 47933
Mailing Address:	4537 South Nucor Street, Crawfordsville, IN 47933
	RR2, Box 311, Crawfordsville, IN 47933
County Location:	Montgomery
SIC Code:	3312 (Steel Mill)
Source Categories:	1 of 28 Listed Source Categories
	Major PSD Source
Permit Amendment:	107-20888-00038
	of PSD/SSM 107-18314-00038 and
	its amendment 107-19385-00038
Permit Writer:	Iryn Calilung 317/233-5692

<b>Permitting Milestone of the Vacuum Degasser's Flare</b>
--

May 27, 2004	--	PSD permit (107-18314-00038) was issued to Nucor Steel, for the modification of the Castrip Line by constructing a vacuum degasser, with an open flare as emission control; a low NOx boiler; a natural gas fired ladle preheater; contact and non contact cooling towers; chemical storage tanks; and alloy unloading, storage, and feed systems.
August 23, 2004	--	PSD Permit (107-18314-00038) was amended to revise, among other things, the particulate limits of the flare. The Permit Amendment is identified as 107-19385-00038.

<b>Amendment Request and Evaluation</b>
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On March 7, 2005, the Office of Air Quality (OAQ) received a second permit amendment request from Nucor Steel to amend the PSD Permit 107-18314-00038 and its amendment 107-19385-00038 to change the description of the flare from open flare to enclosed flare, based on the type of flare actually installed by Nucor Steel. In addition, the capacity of the flare has to be revised to reflect the actual rating of the flare installed (2 million Btu per hour). The testing requirements for the open flare as indicated in the permit also need to be revised accordingly. Since there are significant decreases in the potential to emit due to the lower capacity of the flare installed and there are no changes in the existing PSD BACT limits, the request was processed as an amendment to the permit, pursuant to IC 13-15-7-1.

Based on the above information, the PSD Permit 107-18314-00038 and its amendment 107-19385-00038 have been revised as follows (changes are shown in **bold** or ~~strikeout~~ fonts to show the differences):

(1) Section A.2(1) and Section D.1 description box

One (1) vacuum degasser with process gas lances. This vacuum degasser has a maximum capacity of 135 tons of steel/hour. This vacuum degasser will be used to remove entrained gases from the steel. Desulfurization and/or decarburization may also occur during the degassing process.

This vacuum degasser will use an ~~open~~ **enclosed** flare to control carbon monoxide (CO) emissions. The ~~open~~ **enclosed** flare burner has a maximum capacity of 42 MMBTU/hour, uses natural gas as primary fuel with propane as back up fuel, and operates within the temperature range of 1,400 to 1,600 °F. Controlled emissions will exhaust through a stack identified as Stack 500.

The maximum capacity of the vacuum degasser is the same as the ladle metallurgical station (LMS) and Caster in the Castrip Line.

(2) Condition D.1.1

D.1.1 Vacuum Degasser PSD BACT Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The carbon monoxide (CO) emissions from the vacuum degasser shall be controlled by a flare that uses natural gas as primary fuel, and propane as back up fuel.
- (b) The carbon monoxide (CO) emissions from the vacuum degasser shall not exceed 0.075 pounds per ton of steel, and 10.125 pounds per hour, based on a 3-hour block average.
- (c) The sulfur dioxide (SO<sub>2</sub>) emissions from the vacuum degasser shall not exceed 0.02 pounds per ton of steel, and 2.7 pounds per hour, based on a 3-hour block average.
- (d) The nitrogen oxides (NO<sub>x</sub>) emissions from the vacuum degasser shall not exceed 0.005 pounds per ton of steel, and 0.675 pounds per hour, based on a 3-hour block average.
- (e) The volatile organic compound (VOC) emissions from the vacuum degasser shall not exceed 0.005 pounds per ton of steel, and 0.675 pounds per hour, based on a 3-hour block average.
- (f) The particulate emissions from the vacuum degasser shall not exceed 0.008 grain per dry standard cubic foot, and 0.45 pounds per hour, based on a 3-hour block average.
- (g) The opacity from the vacuum degasser ~~open~~ **enclosed** flare stack (Stack 500) shall not exceed 3% opacity, based on a six-minute average.

(3) Condition D.1.3

D.1.3 Flare (42 MMBTU/hour) PSD BACT Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2 Prevention of Significant Deterioration (PSD), the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) The 42 million British Thermal Unit per hour (MMBTU/hour) ~~open~~ **enclosed** flare burner shall use natural gas as primary fuel and propane as back up fuel.
- (b) The collateral nitrogen oxide (NO<sub>x</sub>) emissions from the 42 MMBTU/hour flare burner shall not exceed 0.10 pounds per MMBTU.
- (c) The collateral sulfur dioxide (SO<sub>2</sub>) emissions from the 42 MMBTU/hour flare burner shall not exceed 0.0006 pounds per MMBTU.
- (d) The collateral carbon monoxide (CO) emissions from the 42 MMBTU/hour flare burner shall not exceed 0.084 pounds per MMBTU.
- (e) The collateral volatile organic compound (VOC) emissions from the 42 MMBTU/hour flare burner shall not exceed 0.0055 pounds per MMBTU.
- (f) The collateral PM/PM<sub>10</sub> (filterable and condensable) emissions from the 42 MMBTU/hour flare burner shall not exceed 0.0076 pounds per MMBTU.

(4) Condition D.1.6

D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [326 IAC 2-2]

- (a) Within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up of the vacuum degasser and ~~open~~ **enclosed** flare, the Permittee shall ~~determine~~ **perform carbon monoxide (CO) testing on Stack 500 to show compliance with Conditions D.1.1(b) and D.1.3 (d).**
  - (i) ~~either the heat content and the maximum tip velocity specifications of the open flare,~~
  - (ii) ~~or the maximum and actual exit velocity specifications of the open flare.~~
- (A) The net heating value of the gas being combusted in the flare shall be calculated using the following equation:

$$H_T = K \frac{n}{\sum_{i=1}^n C_i H_i}$$

where:

~~H<sub>T</sub> = Net heating value of the sample, MJ/scm; where the net enthalpy per mole of offgas is based on combustion at 25 °C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 °C.~~

$$K = \frac{\text{Constant, } 1.740 \times 10^{-7} \left(\frac{1}{\text{ppm}}\right) \left(\frac{\text{g mole}}{\text{scm}}\right) \left(\frac{\text{MJ}}{\text{kcal}}\right)}{}$$

where the standard temperature for  $\left(\frac{\text{g mole}}{\text{scm}}\right)$  is 20°C;

$C_i$  = Concentration of sample component  $i$  in ppm on a wet basis, as measured for organics by Reference Method 18 and measured for hydrogen and carbon monoxide by ASTM D1946-77 or 90 (Reapproved 1994).

$H_i$  = Net heat of combustion of sample component  $i$ , kcal/g mole at 25 °C and 760 mm Hg. The heats of combustion may be determined using ASTM D2382-76 or 88 or D4809-95 if published values are not available or cannot be calculated.

(B) The maximum permitted velocity of the flare shall be determined by the following equation:

$$V_{\text{max}} = (XH_2 - K_1) * K_2$$

Where:

$V_{\text{max}}$  = Maximum permitted velocity, m/sec.

$K_1$  = Constant, 6.0 volume percent hydrogen.

$K_2$  = Constant, 3.9(m/sec)/volume percent hydrogen.

$XH_2$  = The volume percent of hydrogen, on a wet basis, as calculated by using the American Society for Testing and Materials (ASTM) Method D1946-77.

(C) The actual exit velocity of the flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip.

(b) The determinations of either the heat content and the maximum tip velocity specifications of the open flare or the maximum and actual exit velocity specifications of the open flare shall be repeated at least once every 5 years from the date of a valid compliance demonstration.

(c) These tests or determinations shall be performed using methods as approved by the Commissioner.

(d) Testing shall be conducted in accordance with Section C - Performance Testing.

(5) In addition to the above mentioned changes, the mailing address of the department has been revised as follows:

100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015 **46204**

### **Recommendations and Conclusion**

- (1) Based on the facts, conditions and evaluations made, the Office of Air Quality (OAQ) staff recommends to the Indiana Department of Environmental Management (IDEM) Commissioner that the findings in the Permit Amendment 107-20888-00038 be issued.
- (2) Unless otherwise stated, information used in this review was derived from the letter submitted on March 3, 2005 by Nucor Steel.
- (3) A copy of the amendment is available on the Internet at: [www.IN.gov/idem/air/permits/Air-Permits-Online](http://www.IN.gov/idem/air/permits/Air-Permits-Online).

### **IDEM Contact**

Questions regarding this amendment can be directed to Iryn Calilung at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana 46204 or by telephone at (317) 233-5692 or toll free at 1-800-451-6027 extension 3-5692.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.IN.gov/idem/guides](http://www.IN.gov/idem/guides).