



# 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: August 15, 2011

RE: Gerdau Ameristeel – Muncie Coating / 035-30444-00076

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

## Notice of Decision: Approval - Effective Immediately

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 IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require 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 of 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.dot12/03/07



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**New Source Review and Minor Source Operating  
Permit  
OFFICE OF AIR QUALITY**

**Gerdau Ameristeel - Muncie Coating  
1610 S. Macedonia Avenue  
Muncie, Indiana 47302**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M035-30444-00076	
Issued by:  Iryn Callung, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 15, 2011  Expiration Date: August 15, 2016

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and 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 permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary coated steel rebar manufacturing plant (coating, bending and shearing).

Source Address:	1610 S. Macedonia Avenue, Muncie, Indiana 47302
General Source Phone Number:	765-286-5454
SIC Code:	3449 (Fabricated Metal Products, Not Elsewhere Classified)
County Location:	Delaware
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary

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This stationary source consists of the following emission units and pollution control devices:

- (a) one (1) coated steel rebar manufacturing operation, constructed in 1988, consisting of a rebar fabrication building, designated as Fab Shop, and epoxy coating building, designated as Epoxy Shop, with a maximum capacity of 20 tons of steel rebar per hour, and consisting of the following emission units:
  - (1) one (1) electric oven, constructed in 1988, for heating steel rebar prior to the powder coating booth.
  - (2) one (1) electrostatic powder coating booth, constructed in 1988, utilizing spray application method with a total of twelve (12) spray nozzles, a total maximum coating rate of 75 pounds of powder coating (1:1 ratio of virgin and recycled powder) per hour, with a powder coating transfer efficiency of 50%, and with powder overspray collected by one (1) baghouse equipped with twelve (12) Torit cartridge filters, and exhausting to the atmosphere. The collected powder is recycled and reused in the coating booth. The baghouse is considered integral part of the painting operation.
  - (3) One (1) polyurethane surface coating operation, designated as Line 1 and Line 2, constructed in 2011, utilizing spray application of a two-part polyurethane coating to steel rebar ends, with each line equipped with two (2) rotating spray guns, each line equipped with two (2) nozzles, with a maximum application rate of 14.41 pounds of polyurethane coating per gun per hour, and particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 1 to the atmosphere.
- (b) one (1) wheelabrator shot blaster, constructed in 1988, equipped with three blasting wheels, with a total maximum blasting rate of one (1) ton of steel shot per minute, with a maximum throughput of 20 tons of steel rebar per hour, and with particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 2.

- (c) equipment for bending and shearing of steel rebar;
- (d) one (1) bench mounted abrasive saw;
- (e) hand-held power tools including drills, grinders, saws, other cutting tools;
- (f) three (3) shielded metal arc welding (SMAW) stations, with a maximum wire usage rate less than 200 pounds of wire per year (SMAW Type 7018);
- (g) lubricating oils, hydraulic oils, machining oils, and/or machining fluids (including coolants) and associated storage vessels;
- (h) kerosene space heaters;
- (i) propane-fueled forklifts;
- (j) pressurized storage tanks and associated piping for liquid natural gas (LNG) (propane);
- (k) paved and unpaved roads and parking lots with public access.
- (l) two (2) front end patch painting processes
- (m) one (1) cooling tower, identified as CT-1, exhausting to the outdoors.

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-1.1-1]

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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 2-1.1-1) shall prevail.

### B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

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- (a) This permit, M035-30444-00076, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability

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Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability

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The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege

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This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

**B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) The notification 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.

**B.9 Preventive Maintenance Plan [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 and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The Permittee shall implement the PMPs.

- (b) 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.
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 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.

**B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to M035-3044-00076 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.12 Permit Renewal [326 IAC 2-6.1-7]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal 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

- (b) A timely renewal application is one that is:
- (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
  - (2) 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) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.14 Source Modification Requirement**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

**B.15 Inspection and Entry**

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[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application 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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.17 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.18 Credible Evidence [326 IAC 1-1-6]**

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For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

#### C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

#### C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

#### C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 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.

#### C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

#### C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 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).

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

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- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
- (A) Asbestos removal or demolition start date;
- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

- (e) Procedures for Asbestos Emission Control  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) Demolition and Renovation  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Licensed Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.8 Performance Testing [326 IAC 3-6]**

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (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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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. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.10 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

#### **C.11 Instrument Specifications [326 IAC 2-1.1-11]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an

alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

### **Corrective Actions and Response Steps**

#### **C.12 Response to Excursions or Exceedances**

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Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

#### **C.13 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 noncompliant stack tests.

## **Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

### **C.14 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

### **C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]**

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- (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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

### **C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]**

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- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) 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.

- (c) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)] - Steel Rebar Surface Coating

- (a) one (1) coated steel rebar manufacturing operation, constructed in 1988, consisting of a rebar fabrication building, designated as Fab Shop, and epoxy coating building, designated as Epoxy Shop, with a maximum capacity of 20 tons of steel rebar per hour, and consisting of the following emission units:
- (1) one (1) electric oven, constructed in 1988, for heating steel rebar prior to the powder coating booth.
  - (2) one (1) electrostatic powder coating booth, constructed in 1988, utilizing spray application method with a total of twelve (12) spray nozzles, a total maximum coating rate of 75 pounds of powder coating (1:1 ratio of virgin and recycled powder) per hour, with a powder coating transfer efficiency of 50%, and with powder overspray collected by one (1) baghouse equipped with twelve (12) Torit cartridge filters, and exhausting to the atmosphere. The collected powder is recycled and reused in the coating booth. The baghouse is considered integral part of the painting operation.
  - (3) One (1) polyurethane surface coating operation, designated as Line 1 and Line 2, constructed in 2011, utilizing spray application of a two-part polyurethane coating to steel rebar ends, with each line equipped with two (2) rotating spray guns, each gun equipped with two (2) nozzles, with a maximum application rate of 14.41 pounds of polyurethane coating per line per hour, and particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 1 to the atmosphere.

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

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.1.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2(e)(2) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the powder coating operation shall not exceed 0.45 pounds per hour based on a process weight rate of 0.04 tons per hour (75 pounds per hour).

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

- (b) Pursuant to 326 IAC 6-3-2(d), particulate from the polyurethane surface coating lines shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, at all times that one or more of the polyurethane surface coating lines are in operation, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

#### D.1.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

## Compliance Determination Requirements

### D.1.3 Particulate Control

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- (a) In order to comply with Condition D.1.1, the baghouse for particulate control shall be in operation at all times that either of the two (2) polyurethane surface coating lines is in operation.
- (b) In order to comply with Condition D.1.1, the baghouse for particulate control shall be in operation at all times that the powder coating booth is in operation.
- (c) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

## Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

### D.1.4 Visible Emissions Notations

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- (a) Visible emission notations of the polyurethane surface coating lines stack exhaust and the powder coating booth stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

### D.1.5 Parametric Monitoring

---

- (a) The Permittee shall record the pressure drop across the baghouse used in conjunction with the powder coating booth at least once per day when the process is in operation when venting to the atmosphere. The Permittee shall record the pressure drop of at least 0.5 to 6.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take a response steps shall be considered a deviation from this permit.
- (b) The Permittee shall record the pressure drop across the fabric filters used in conjunction with the polyurethane surface coating lines, at least once per day when the process is in operation when venting to the atmosphere. The Permittee shall record the pressure drop of at least 0.5 to 6.5 inches of water or a range established during the

latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take a response steps shall be considered a deviation from this permit.

The instruments used for determining the pressure shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

#### D.1.6 Broken or Failed Bag Detection

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- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in either the polyurethane surface coating lines or powder coating booth. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

#### **Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

##### D.1.7 Record Keeping Requirements

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- (a) To document the compliance status with Condition D.1.4 the Permittee shall maintain records of visible emission notations of the polyurethane surface coating lines stack and the powder coating booth stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).
- (b) To document the compliance status with Condition D.1.5 the Permittee shall maintain records once per day of the pressure drop during normal operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)] - Wheelabrator Shot Blaster

- (b) one (1) wheelabrator shot blaster, constructed in 1988, equipped with three blasting wheels, with a total maximum blasting rate of one (1) ton of steel shot per minute, with a maximum throughput of 20 tons of steel rebar per hour, and with particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 2;

(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 2-8-4(1)]

#### D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), the particulate emissions from the shot blaster shall not exceed 4.10 pounds per hour based on a process weight rate equal to 1.0 tons of steel shot per hour. The pound per hour limitation was calculated with the following equation:

Interpolation of the data in the table in 326 IAC 6-3-2(e)(2) for the process weight rates up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour}$$

#### D.2.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### Compliance Determination Requirements

#### D.2.3 Particulate Control

- (a) In order to comply with Condition D.2.1, particulate from the shot blaster shall be controlled by the baghouse at all times that the shot blaster is in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

### Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

#### D.2.4 Visible Emissions Notations

- (a) Visible emission notations of the shot blaster stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

#### D.2.5 Parametric Monitoring

---

The Permittee shall record the pressure drop across the baghouse used in conjunction with the shot blaster at least once per day when the process is in operation when venting to the atmosphere. The Permittee shall record the pressure drop of at least 0.5 to 6.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take a response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

#### D.2.6 Broken or Failed Bag Detection

---

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in either the shot blaster. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

#### Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

#### D.2.7 Record Keeping Requirements

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- (a) To document the compliance status with Condition D.2.4, the Permittee shall maintain records of visible emission notations of the shot blaster stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).
- (b) To document the compliance status with Condition D.2.5 the Permittee shall maintain records once per day of the pressure drop during normal operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	Gerdau Ameristeel - Muncie Coating
<b>Address:</b>	1810 S. Macedonia Avenue
<b>City:</b>	Muncie, Indiana 47302
<b>Phone #:</b>	765-286-5454
<b>MSOP #:</b>	M035-30444-00076

I hereby certify that Gerdau Ameristeel - Muncie Coating is  still in operation.  
 no longer in operation.  
I hereby certify that Gerdau Ameristeel - Muncie Coating is  in compliance with the requirements of MSOP M035-30444-00076.  
 not in compliance with the requirements of MSOP M035-30444-00076.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FAX NUMBER: (317) 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_, 100 TONS/YEAR CARBON MONOXIDE ?\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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## **ATTACHMENT A**

### **FUGITIVE DUST CONTROL PLAN**

Fugitive particulate matter emissions from paved roads, unpaved roads, and parking lots shall be controlled by one or more of the following methods:

- (a) Paved roads and parking lots:
  - (1) cleaning by vacuum sweeping on an as needed basis;
  - (2) flushing on an as needed basis;
  - (3) power brooming while wet either from rain or application of water on an as needed basis.
  
- (b) Unpaved roads and parking lots:
  - (1) treating with emulsified asphalt (or other suitable and effective oil or chemical dust suppressant approved by IDEM OAQ) on an as needed basis;
  - (2) treating with water on an as needed basis;

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

Technical Support Document (TSD) for a Federally Enforceable State  
Operating Permit transitioning to a Minor Source Operating Permit (MSOP)  
with New Source Review

<b>Source Description and Location</b>
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<b>Source Name:</b>	<b>Gerdau Ameristeel - Muncie Coating</b>
<b>Source Location:</b>	<b>1610 South Macedonia Avenue, Muncie, IN 47302</b>
<b>County:</b>	<b>Delaware</b>
<b>SIC Code:</b>	<b>3449 (Fabricated Metal Products, Not Elsewhere Classified)</b>
<b>Permit No.:</b>	<b>M035-30444-00076</b>
<b>Permit Reviewer:</b>	<b>Deborah Cole</b>

On August 10, 2010, the Office of Air Quality (OAQ) received an application from Gerdau Ameristeel - Muncie Coating related to the construction and operation of a new emission unit and the continued operation of an existing source by the renewal of the current New Source Construction/FESOP # F035-21872-00076, issued on May 12, 2006.

On April 12, 2011, the Office of Air Quality (OAQ) received an application from Gerdau Ameristeel - Muncie Coating requesting that their FESOP be transitioned to an MSOP. This request followed discussion with IDEM staff which indicated that Gerdau no longer qualified at the FESOP permitting level because the updated potential to emit (PTE) for all criteria pollutants are less than one hundred (100) tons per year and all hazardous air pollutants (HAPs) are less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year of total HAPs. The PTE for the polyurethane coating line was originally calculated based on the description of two coating lines each with two spray hoods. Further discovery revealed that this was not correct; that, in fact, the polyurethane coating line actually has two lines with only one hood each. The coating used and the physical properties of the paint were correct but the paint usage was reduced resulting in a lower PTE for the polyurethane coating line.

<b>Existing Approvals</b>
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Since the issuance of the F035-21872-00076 on May 12, 2006, the source has had no additional approvals.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Due to this application, the source is transitioning from a FESOP to an MSOP.

### County Attainment Status

The source is located in Delaware County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective January 3, 2006, for the Muncie area, including Delaware County, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.

<sup>1</sup>Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.  
Unclassifiable or attainment effective April 5, 2005, for PM<sub>2.5</sub>.

- (a) Ozone Standards  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Delaware County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) PM<sub>2.5</sub>  
Delaware County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions until 326 IAC 2-2 is revised.
- (c) Other Criteria Pollutants  
Delaware County has been classified as attainment or unclassifiable for all other regulated criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Fugitive Emissions

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.

### Background and Description of Permitted Emission Units

The Office of Air Quality (OAQ) has reviewed an application, submitted by Gerdau Ameristeel-Muncie Coating on August 10, 2010, relating to the renewal of their current FESOP for a stationary coated steel rebar manufacturing plant which was issued on May 12, 2006. Included in the original permit application was a polyurethane surface coating operation, designated as Line 1 and Line 2, which was to be constructed in 2005 and 2006 respectively, and which would use spray application to apply a two-part polyurethane coating to steel rebar ends for the prevention of rust. However, due to economic reasons, this polyurethane surface coating operation was not constructed in 2005 and 2006. The source seeks approval to construct this operation in 2011.

The source has requested to transition from a FESOP to an MSOP based on potential to emit (PTE) of less than one hundred (100) tons per year of all criteria pollutants and potential to emit (PTE) of HAPs less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons total HAPs.

The source consists of the following permitted emission units:

- (a) one (1) coated steel rebar manufacturing operation, constructed in 1988, consisting of a rebar fabrication building, designated as Fab Shop, and epoxy coating building, designated as Epoxy Shop, with a maximum capacity of 20 tons of steel rebar per hour, and consisting of the following emission unit:
  - (1) one (1) electric oven, constructed in 1988, for heating steel rebar prior to the powder coating booth;
  - (2) one (1) electrostatic powder coating booth, constructed in 1988, utilizing spray application method with a total of twelve (12) spray nozzles, a total maximum coating rate of 75 pounds of powder coating (1:1 ratio of virgin and recycled powder) per hour, with a powder coating transfer efficiency of 50%, and with powder overspray collected by one (1) baghouse equipped with twelve (12) Torit cartridge filters, and exhausting to the atmosphere. The collected powder is recycled and reused in the coating booth. The baghouse is considered integral part of the painting operation.
- (b) one (1) wheelabrator shot blaster, constructed in 1988, equipped with three blasting wheels, with a total maximum blasting rate of one (1) ton of steel shot per minute, with a maximum throughput of 20 tons of steel rebar per hour, and with particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 2;
- (c) equipment for bending and shearing of steel rebar;
- (d) one (1) bench mounted abrasive saw;
- (e) hand-held power tools including drills, grinders, saws, other cutting tools;
- (f) three (3) shielded metal arc welding (SMAW) stations, with a maximum wire usage rate less than 200 pounds of wire per year (SMAW Type 7018);
- (g) lubricating oils, hydraulic oils, machining oils, and/or machining fluids (including coolants) and associated storage vessels;
- (h) kerosene space heaters;
- (i) propane-fueled forklifts;
- (j) pressurized storage tanks and associated piping for liquid natural gas (LNG) (propane);
- (k) paved and unpaved roads and parking lots with public access.
- (l) two (2) front end patch painting processes.
- (m) one (1) cooling tower, identified as CT-1, exhausting to the outdoors.

### Description of New Source Construction

The following is a description of the new emission unit and pollution control device:

One (1) polyurethane surface coating operation, designated as Line 1 and Line 2, constructed in 2011, utilizing spray application of a two-part polyurethane coating to steel rebar ends, with each line equipped with two (2) rotating spray guns, each gun equipped with two (2) nozzles, with a maximum application rate of 14.41 pounds of polyurethane coating per line per hour, and particulate emissions controlled by one (1) baghouse equipped with twelve (12) Torit cartridge filters, exhausting through Stack 1 to the atmosphere.

### "Integral Part of the Process" Determination

As established in F035-21872-00076 issued on May 12, 2006, IDEM, OAQ evaluated the justification submitted by Gerdau Ameristeel - Muncie Coating and agreed that the powder coating recovery system, consisting of one baghouse equipped with twelve (12) Torit cartridge filters, should be considered integral to the normal operation of the powder coating booth, since there is significant economic benefit gained by collecting and re-using the powder coating. The total initial capital cost of the powder coating booth is approximately \$54,100 and the total annual operational cost for the powder coating recovery system is approximately \$59,200. The powder coating has a minimum unit cost of \$3.47 per pound and is recovered and re-used at a rate of 37.5 pounds per hour. Based on 6000 hours of actual operation per year, the cost savings accrued each year from recovering the powder coating is \$780,750. These annual cost savings cover the initial capital cost and annual operational costs and provide significant economic benefit each year to Gerdau Ameristeel.

Therefore, the permitting level will be determined using the potential to emit after the baghouse. Particulate from the powder coating booth shall be controlled by the baghouse at all times that the powder coating booth is in operation.

### Enforcement Issues

IDEM is aware that equipment has been constructed prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

### Emission Calculations

- (a) See Appendix A of this document for detailed emission calculations.
- (b) Based on information provided by the source, there are negligible emissions of regulated criteria pollutants and hazardous air pollutants from the insignificant activities (i.e., electric oven, bending/shearing equipment, abrasive saw, operation of hand-held power tools, kerosene space heaters, operation of propane-fueled forklifts, storage of liquid natural gas (propane), cooling tower and front end patch painting).
- (c) Using the Environmental Protection Agency's (EPA) TANKS Version 4.09b program, it was determined that use and storage of lubricating oils, hydraulic oils, machining oils, and/or machining fluids (including coolants) at this source would have negligible potential emissions of volatile organic compounds (VOCs).
- (d) Upon further review, IDEM has determined that PM and PM<sub>10</sub> limits for the surface coating operation are not necessary to ensure that the PM and PM<sub>10</sub> emissions are below major source threshold levels under 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-7 (Part 70 Permits) since the surface coating operation is required to use dry filter particulate controls in accordance with manufacturer's specifications.

**Permit Level Determination – MSOP**

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	100.65
PM <sub>10</sub> <sup>(1)</sup>	95.74
PM <sub>2.5</sub>	95.47
SO <sub>2</sub>	0
NO <sub>x</sub>	0
VOC	1.97
CO	0
CO <sub>2</sub> e	0

- (1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

HAPs	Potential To Emit (tons/year)
cobalt	0
chromium	2.05
manganese	0
nickel	0
lead	1.01

**Criteria Pollutants**

The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of PM, PM<sub>10</sub> and PM<sub>2.5</sub> are each less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.

**Hazardous Air Pollutants**

The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

**CO<sub>2</sub>e from Greenhouse Gases (GHGs)**

The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

<b>Federal Rule Applicability Determination</b>
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New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart M MMMM, Surface Coating of Miscellaneous Metal Parts and Products (40 CFR Part 63.3880 - 63.3981), because this source does not apply coatings to any of the following parts, products or components: motor vehicle parts and accessories, bicycles and sporting goods, recreational vehicles, extruded aluminum structural components, railroad cars, heavy duty trucks, medical equipment, lawn and garden equipment, electronic equipment, magnet wire, steel drums, industrial machinery, metal pipes, and numerous other industrial, household, and consumer products and it is a minor source of HAPs.
- (b) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart D D D D D, Industrial, Commercial, and Institutional Boilers and Process Heaters (40 CFR 63.7480 - 63.7575), because the source is not a major source of HAPs as defined in 40 CFR 63.2. However, on June 8, 2007, the United States Court of Appeals for the District of Columbia Circuit (in NRDC v. EPA, no. 04-1386) vacated in its entirety the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart D D D D D. Additionally, since the state rule at 326 IAC 20-95 incorporated the requirements of the NESHAP 40 CFR 63, Subpart D D D D D by reference, the requirements of 326 IAC 20-95 are no longer effective.
- (c) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63.11169, Subpart H H H H H H, Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources even though the source does apply coatings which contain target HAPs because the source's method of coating does not meet the definition of "spray applied coating" as defined in 40 CFR 63.11180 which states:

*Spray-applied coating operations means coatings that are applied using a hand-held device that creates an atomized mist of coating and deposits the coating on a substrate. For the purposes of this subpart, spray-applied coatings do not include the following materials or activities:*

- (1) *Coatings applied from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters).*
- (2) *Surface coating application using powder coating, hand-held, non-refillable aerosol containers, or non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electrodeposition coating, web coating, coil coating, touch-up markers, or marking pens.*
- (3) *Thermal spray operations (also known as metallizing, flame spray, plasma arc spray, and electric arc spray, among other names) in which solid metallic or non-metallic material is heated to a molten or semi-molten state and propelled to the work piece or substrate by compressed air or other gas, where a bond is produced upon impact.*

The polyurethane coating line at this source utilizes a fixed point robotic spray application which consists of two lines, each line equipped with two rotating spray guns, which are not handheld.

- (d) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in the permit for this source.

Compliance Assurance Monitoring (CAM)

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

<b>State Rule Applicability Determination</b>
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The following state rules are applicable to the source:

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))  
MSOP applicability is discussed under the Permit Level Determination - MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))  
This source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit of all attainment regulated pollutants is less than 250 tons per year and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))  
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (d) 326 IAC 2-6 (Emission Reporting)  
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)  
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:
- (1) 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.
  - (2) 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.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

**State Rule Applicability – Wheelabrator Shot Blaster**

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

The requirements of 326 IAC 6-3 are applicable to the shot blaster. Pursuant to 326 IAC 6-3-2(e)(2), the particulate emissions from the shot blaster shall not exceed 4.10 pounds per hour based on a process weight rate equal to 1.0 tons of steel shot per hour. The pound per hour limitation was calculated with the following equation:

Interpolation of the data in the table in 326 IAC 6-3-2(e)(2) for the process weight rates up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour}$$
$$E = 4.10 (1)^{0.67}$$
$$E = 4.10 \text{ lb/hour}$$

In order to comply with the allowable rate of emission, particulate from the shot blaster shall be controlled by the baghouse at all times that the shot blaster is in operation.

**State Rule Applicability – Powder Coating Booth**

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

- (a) Even though, IDEM, OAQ has agreed that the baghouse will be considered as an integral part of the powder coating booth for permit level determination, the applicability determination for 326 IAC 6-3 is before control, thus:

$$\text{PTE PM before control} = (\text{PTE After control}) / (1 - \text{control efficiency}) \\ = (0.164) / (1 - 0.999) \\ = 164 \text{ tons/year}$$

Pursuant to 326 IAC 6-3-2(e)(2), the particulate emissions from the Powder Coating shall not exceed 0.45 pounds per hour based on a process weight rate equal to 0.04 tons per hour (75 pounds per hour).

The pound per hour limitation was calculated with the following equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour}$$
$$E = 4.10(0.04)^{0.67} \\ = 0.45 \text{ lb/hour} \quad (\text{see Appendix A for detailed calculations})$$

The baghouse is necessary to comply with the requirements of 326 IAC 6-3-2, particulate from the powder coating booth shall be controlled by the baghouse at all times that the powder coating booth is in operation.

The pound per hour limitation has been corrected from the previous determination that the process weight rate should be based upon twenty (20) tons per hour. This new determination considers the amount of powder coating only, not the weight of the steel.

- (b) 326 IAC 8-2-9 (Volatile Organic Compounds, Miscellaneous Metal Coating Operations)  
The electrostatic powder coating booth is not subject to the requirements of 326 IAC 8-2-9 because the spray application of dry powder coatings does not emit volatile organic compounds (VOCs).

### **State Rule Applicability – Polyurethane Surface Coating Lines**

- (a) IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)  
Pursuant to 326 IAC 6-3-2-(d), particulate from the polyurethane surface coating operation shall be controlled by particulate filters, waterwash, or an equivalent control device and the Permittee shall operate each control device in accordance with manufacturer's specifications.
- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)  
The polyurethane surface coating operation is not subject to the requirements of 326 IAC 8-1-6 because it does not have emissions of volatile organic compounds (VOC) equal to or greater than twenty-five (25) tons per year (see Appendix A for the detailed calculations).
- (c) 326 IAC 8-2-9 (Miscellaneous Metal Coating)  
The polyurethane surface coating operation is not subject to the requirements of 326 IAC 8-2-9 even though it was constructed after July 1, 1990 because it does not have actual emissions of volatile organic compounds (VOC) greater than fifteen (15) pounds per day before add-on controls (see Appendix A for the detailed calculations).

### **State Rule Applicability – Front End Patch Painting**

- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)  
The front end patch painting operation is not subject to the requirements of 326 IAC 8-1-6 because it does not have emissions of volatile organic compounds (VOC) equal to or greater than twenty-five (25) tons per year (see Appendix A for the detailed calculations).
- (c) 326 IAC 8-2-9 (Miscellaneous Metal Coating)  
The front end patch painting operation is not subject to the requirements of 326 IAC 8-2-9 even though it was in existence as of July 1, 1990 because it is not located in Clark, Elkhart, Floyd, Lake, Marion Porter or St. Joseph Counties and does not have actual emissions of volatile organic compounds (VOC) greater than fifteen (15) pounds per day before add-on controls (see Appendix A for the detailed calculations).

### **State Rule Applicability – Bending, Shearing, Drilling, Grinding Cutting Equipment**

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b)(14), equipment at this source used for bending, shearing, drilling, grinding, and/or cutting of metal are each exempt from the requirements of 326 IAC 6-3, because they each have a potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

### **State Rule Applicability – Welding**

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b)(9), each of the three (3) shielded metal arc welding (SMAW) stations is exempt from the requirements of 326 IAC 6-3, because the potential to consume welding wire for each of the welders is less than six hundred twenty-five (625) pounds per day.

### **State Rule Applicability – Fuel Combustion**

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b)(14), the kerosene space heaters are each exempt from the requirements of 326 IAC 6-3, because they each have a potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

326 IAC 7-1 (Sulfur dioxide emission limitations: applicability)

The kerosene space heaters are each not subject to the requirements of 326 IAC 7-1 because the potential and the actual emissions are less than twenty-five (25) tons per year and ten (10) pounds per hour respectively.

**Compliance Determination and Monitoring Requirements**

Based on revised calculations of the polyurethane surface coating lines, a stack testing requirement is no longer necessary to demonstrate compliance with 326 IAC 2-8-4, 324 IAC 2-2 or 326 IAC 6-3 with the proper process weight rate applied to the process.

The compliance determination and monitoring requirements applicable to this source are as follows:

Control	Parameter	Frequency	Range	Excursions and Exceedances
Electrostatic Powder Coating Booth	Pressure Drop	Daily	0.5 to 6 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Polyurethane Surface Coating Operations (Line 1 and Line 2)	Pressure Drop	Daily	0.5 to 6 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Wheelabrator Shot Blaster	Pressure Drop	Daily	0.5 to 6 inches	Response Steps
	Visible emissions		Normal-Abnormal	

**Conclusion and Recommendation**

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on April 13, 2011.

The operation of this source shall be subject to the conditions of the attached proposed MSOP No. 035-30444-00076. The staff recommends to the Commissioner that this MSOP be approved.

**IDEM Contact**

- (a) Questions regarding this proposed permit can be directed to Deborah Cole at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5377 or toll free at 1-800-451-6027 extension 4-5377.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) 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](http://www.in.gov/idem)



**Appendix A: Emission Calculations  
Wheelabrator Shot Blaster**

**Company Name:** Gerdau Ameristeel - Muncie Coating  
**Address City IN Zip:** 1610 S. Macedonia Avenue, Muncie, IN 47302  
**Permit Number:** 035-30444-00076  
**Reviewer:** Deborah Cole  
**Date:** 6/17/2011

**Emission Factors for Abrasives (Stappa/Alapco, 1991)**

Abrasive	Emission Factor	
	lb PM/ lb abrasive	lb PM-10/ lb PM
Sand	0.041	0.7
Grit	0.01	0.7
Steel Shot	0.004	0.86
Other	0.01	

**Potential To Emit (tons/yr)**

Emission Unit	Total Maximum Blasting Rate (lbs/hr)	Type of Blasting Media	Uncontrolled PTE of PM (tons/yr)	Uncontrolled PTE of PM10 (tons/yr)	PM/PM10 Collection Efficiency (%)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)
Wheelabrator Shot Blaster	2000	Steel Shot	35.04	30.13	99.9%	0.0350	0.0301

**Methodology:**

Uncontrolled PTE of PM (ton/yr) = Total Maximum Blasting Rate (lb/hr) \* Emission Factor (lb PM/lb abrasive) \* (8,760 hr/yr) \* (1 ton/2,000 lb)

Uncontrolled PTE of PM10 (ton/yr) = Uncontrolled PTE of PM (ton/yr) \* (0.86 lb PM10/lb PM)

Controlled PTE (ton/yr) = Uncontrolled PTE (ton/yr) \* (1 - control efficiency)

Assume PM10=PM2.5

Emission Factors are from Stappa/Alapco, 1991, Section 3, "Abrasive Blasting"

**Compliance with 326 IAC 6-3-2:**

Allowable Emissions, $E = 4.10 * P^{0.67}$ (for weight rates up to 60,000 lb/hr)
where E = emissions in lbs/hr
P = process weight in tons/hr
P = <input type="text" value="2000"/> lbs/hr
= <input type="text" value="1.00"/> tons/hr
Allowable PM Emissions, E = <input type="text" value="4.10"/> lbs/hr
= <input type="text" value="98.4"/> lbs/day
= <input type="text" value="18.0"/> tons/yr
The use of a baghouse will ensure compliance with the limit above.

## Appendix A: Emission Calculations Polyurethane Coating

**Company Name:** Gerdau Ameristeel - Muncie Coating  
**Address City IN Zip:** 1610 S. Macedonia Avenue, Muncie, IN 47302  
**Permit Number:** 035-30444-00076  
**Reviewer:** Deborah Cole  
**Date:** 6/17/2011

### Uncontrolled PTE For PM/PM10 & Inorganic HAPs

Line	Material	Max Usage (lb/hr)	Wt. Solids (%)	Transfer Efficiency (%)	Wt. % Pb	Wt. % Chromium Compounds	PTE PM/PM <sub>10</sub> (lb/hr)	PTE PM/PM <sub>10</sub> (ton/yr)	PTE Pb (ton/yr)	PTE Chromium Compounds (ton/yr)
1	Chemthane 6200 A/B	14.41	100%	50%	1.60%	0.40%	7.21	31.56	0.50	0.13
2	Chemthane 6200 A/B	14.41	100%	50%	1.60%	0.40%	7.21	31.56	0.50	0.13
<b>Totals</b>							<b>14.41</b>	<b>63.12</b>	<b>1.01</b>	<b>0.25</b>
							<b>Control Efficiency of Fabric Filters</b>			<b>99.00%</b>
<b>Total Controlled PTE =</b>							<b>0.14</b>	<b>0.63</b>	<b>0.01</b>	<b>0.00</b>

Assume PM10=PM2.5

**Appendix A: Emissions Calculations  
Powder Coating Booth**

**Company Name: Gerdau Ameristeel - Muncie Coating**  
**Address City IN Zip: 1610 S. Macedonia Avenue, Muncie, IN 47302**  
**Permit Number: 035-30444-00076**  
**Reviewer: Deborah Cole**  
**Date: 6/17/2011**

**Particulate Matter (PM/PM10)**

Process	Maximum Material Usage (lbs/hr per nozzle)	Number of Nozzles	Total Maximum Material Usage (lbs/hr)	Worse Case Transfer Efficiency	Baghouse Control Efficiency	PTE of PM/PM10 After Baghouse (lbs/hr)*	PTE of PM/PM10 After Baghouse (tons/yr)*	PTE of PM/PM10 Before Control (tons/yr)
Powder Coating Booth	6.25	12	75	50.0%	99.9%	0.04	0.164	164

\*IDEM, OAQ has agreed that the powder coating recovery system will be considered as an integral part of the powder coating booth and the potential to emit particulate (PM/PM10) for permitting level will be determined after the dust collectors.

**Hazardous Air Pollutants (HAPs)**

Process	PTE of PM/PM10 After Dust Collectors (tons/yr)*	Weight % Chromium	PTE of Chromium (tons/yr)
Powder Coating Booth	0.16	2.05%	0.003

**Methodology**

PTE PM/PM10 After Dust Collectors (lbs/hr) = Total Maximum Material Usage (lbs/hr) \* Transfer Efficiency \* (1 - Control Efficiency)  
 PTE PM/PM10 After Dust Collectors (tons/yr) = PTE After Dust Collectors (lbs/hr) \* 8760 hr/yr \* 1 ton/2,000 lbs  
 PTE of HAPs After Dust Collectors (tons/yr) = PTE of PM/PM10 After Dust Collectors (tons/yr) \* Weight % HAP

**Compliance with 326 IAC 6-3-2:**

Allowable Emissions, $E = 4.10 * P^{0.67}$ (for weight rates up to 60,000 lb/hr) where $E$ = emissions in lbs/hr $P$ = process weight in tons/hr $P = $ <input type="text" value="75"/> lbs/hr $= $ <input type="text" value="0.04"/> tons/hr  Allowable PM Emissions, $E = $ <input type="text" value="0.45"/> lbs/hr $= $ <input type="text" value="10.9"/> lbs/day $= $ <input type="text" value="2.0"/> tons/yr  The use of a baghouse will ensure compliance with the limit above.
---

**Appendix A: Emissions Calculations  
Front End Patch Painting**

Company Name: Gerdau Ameristeel - Muncie Coating  
 Address City IN Zip: 1610 S. Macedonia Avenue, Muncie, IN 47302  
 Permit Number: 035-30444-00076  
 Reviewer: Deborah Cole  
 Date: 6/17/2011

Coating / Material	Estimated Annual Usage (gals)	Density (Lb/Gal)	Wt % Volatile (W,ES,& VOC)	Wt % Water & ES	Wt % VOC	Vol% W&ES	Vol% Solids	VOC (lb/gal less W&ES)	VOC as Packaged (lb/gal)	Limited PTE VOC (lb/yr)	Limited PTE VOC (ton/yr)	Limited PTE VOC (lb/day)	PTE VOC (lb/yr)	PTE VOC (ton/yr)	PTE VOC (lb/day)	Uncontrolled / Controlled PM/ PM10 (lb/day)	Uncontrolled / Controlled PM/ PM10 (lb/yr)	Uncontrolled / Controlled PM/ PM10 (ton/yr)	Limited Uncontrolled / Controlled PM/ PM10 (lb/day)	Limited Uncontrolled / Controlled PM/ PM10 (lb/yr)	Limited Uncontrolled / Controlled PM/ PM10 (ton/yr)	Transfer Efficiency	Method of Application & Surface, if applicable
Valspar Liquid Patch Compound, Component A (920G966)	239.00	14.00	23.73%	0%	23.73%	0.00%		3.32	3.32	794.0	0.40	2.54	2091.88	1.05	6.70	8.6	2689.4	1.3	3.3	1020.8	0.5	60%	Spray, Metal
Valspar Liquid Patch Compound, Component B (920C966)	239.00	10.72	27.31%	0%	27.31%	0.00%	72.69%	2.93	2.93	699.7	0.35	2.24	1843.43	0.92	5.91	6.3	1962.6	1.0	2.4	745.0	0.4	60%	Spray, Metal
Totals	478.00							3.12	3.12	1,493.7	0.747	4.79	3935.31	1.97	12.61	14.9	4,652.0	2.3	5.7	1,765.7	0.883		
PTE extrapolated from 6650 hr/yr to 8760 hr/yr and doubled in production (estimated max production possible)										Exempt, < 15 lb/day		Exempt, < 15 lb/day		<25 lb/day, exempt			<25 lb/day, exempt						

**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
 Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
 Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \* (8760 hrs/yr) \* (1 ton/2000 lbs)

**Appendix A: Emissions Calculations  
Welding Operations**

**Company Name:** Gerdau Ameristeel - Muncie Coating  
**Address City IN Zip:** 1610 S. Macedonia Avenue, Muncie, IN 47302  
**Permit Number:** 035-30444-00076  
**Reviewer:** Deborah Cole  
**Date:** 6/17/2011

**Particulate Matter (PM) and Hazardous Air Pollutants (HAPs)**

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	Max. electrode consumption per station (lbs/day)	Max. electrode consumption (lbs/year)	EMISSION FACTORS* (lb pollutant/lb electrode)					EMISSIONS (lbs/hr)					HAPS (lbs/hr)
					PM/PM10	Cr	Co	Mn	Ni	PM /PM10	Cr	Co	Mn	Ni	
Shielded Metal Arc Welding (E7018)	3	0.0076	0.2	200	0.0184	0.0000	0.0000	0.0010	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000

**Abbreviations**

Cr = Chromium                      Mn = Manganese  
 Co = Cobalt                         Ni = Nickel

<b>Total Potential Emissions lbs/hr</b>	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total Potential Emissions lbs/day</b>	0.0101	0.0000	0.0000	0.0006	0.0000	0.0006
<b>Total Potential Emissions tons/year</b>	0.0018	0.0000	0.0000	0.0001	0.0000	0.0001

**METHODOLOGY**

Welding emissions, lb/hr: (# of stations) \* (max. lbs of electrode used/hr/station) \* (emission factor, lb. pollutant/lb. of electrode used)  
 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.

**Appendix A: Emissions Calculations  
Cooling Tower**

**Company Name:** Gerdau Ameristeel - Muncie Coating  
**Address City IN Zip:** 1610 S. Macedonia Avenue, Muncie, IN 47302  
**Permit Number:** 035-30444-00076  
**Reviewer:** Deborah Cole  
**Date:** 6/17/2011

**Calculation of Potential Emissions from the Cooling Tower**

Process Description

Cooling Tower  
 Type of Cooling Tower: w/ Drift Eliminators  
 Circulation Flow Rate: 80 gpm  
 Total Drift: 0.005% of circulating flow  
 Total Dissolved Solids: 2,500 ppm  
 Density: 8.345 lb/gal

**Potential to Emit PM/PM10**

\*Assume all the dissolved solids become PM10 emissions and assume PM emissions = PM10 emissions.

**Cooling Tower Emissions**

PTE of PM/PM10 (lb/hr) =	$80 \text{ gpm} \times 60 \text{ min/hr} \times 0.005\% \times 8.345 \text{ lb/gal} \times 2,500 \text{ ppm} \times 1/1,000,000 \text{ ppm} =$	<b>0.005</b>	<b>lbs/hr</b>
PTE of PM/PM10 (tons/yr) =	$0.005 \text{ lb/hr} \times 8760 \text{ hr/yr} \times 1 \text{ ton}/2000 \text{ lb} =$	<b>0.02</b>	<b>tons/yr</b>
PTE of PM/PM10 (lb/day) =	$0.005 \text{ lb/hr} \times 24 \text{ hr/day} =$	<b>0.12</b>	<b>lb/day</b>

## Appendix A: Emission Calculations Fugitive Dust Emissions - Unpaved and Paved Roads

**Company Name:** Gerdau Ameristeel - Muncie Coating  
**Address City IN Zip:** 1610 S. Macedonia Avenue, Muncie, IN 47302  
**Permit Number:** 035-30444-00076  
**Reviewer:** Deborah Cole  
**Date:** 6/17/2011

### Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (12/2003).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)
Personal Car/Truck	12	1	12	3	36	250	0.047	0.6
Worksite Car/Truck	0	0	0	3	0	250	0.047	0.0
Semitrailer Truck (rebar in)	5	1	5	15	75	400	0.076	0.4
Semitrailer Truck (rebar out)	0.5	1	0.5	10	5	300	0.057	0.0
<b>Total</b>			17.5		116			1.0

Average Vehicle Weight Per Trip =  $\frac{2.3}{0.06}$  tons/trip  
 Average Miles Per Trip =  $\frac{0.06}{0.06}$  miles/trip

Maximum Vehicle Mile Traveled (VMT) Per Year

$17.5$  trip/day x  $0.056$  mile/trip x  $2$  (round trips) x  $365$  day/yr =  $712.0$  miles per year

$E_f = k \cdot [(s/12)^a] \cdot [(W/3)^b]$  (Equation 1a from AP-42 13.2.2)

	PM10	PM30 or TSP	
where k =	1.5	4.9	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2)
s =	5.1	5.1	% = mean percent silt content of typical unpaved roads from AP-42 Table 13.2.2-2
a =	0.9	0.7	= constant (AP-42 Table 13.2.2-2)
W =	2.3	2.3	tons = average vehicle weight (provided by source)
b =	0.45	0.45	= constant (AP-42 Table 13.2.2-2)
E <sub>f</sub> =	0.62	2.41	lb/mile
Unmitigated PTE =	0.22	0.86	tons/yr

Taking natural mitigation due to precipitation into consideration,  $E_{ext} = E \cdot [(365-p)/365]$

where  $p = 125$  days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM10	PM30 or TSP	
Mitigated PTE =	0.15	0.56	tons/yr

### Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12/2003).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)
Personal Car/Truck	22	1	22	3	66	300	0.057	1.3
Worksite Car/Truck	0	0	0	3	0	300	0.057	0.0
Semitrailer Truck (rebar in)	0	0	0	40	0	400	0.076	0.0
Semitrailer Truck (rebar out)	5	1	5	12	60	250	0.047	0.2
<b>Total</b>			27		126			1.5

Average Vehicle Weight Per Trip =  $\frac{4.7}{0.06}$  tons/trip  
 Average Miles Per Trip =  $\frac{0.06}{0.06}$  miles/trip

Maximum Vehicle Mile Traveled (VMT) Per Year

$27$  trip/day x  $0.06$  mile/trip x  $2$  (round trip) x  $365$  day/yr =  $1085.3$  miles per year

$E_f = [k \cdot (sL/2)^{0.65} \cdot (W/3)^{1.5} - C]$  (Equation 1 from AP-42 13.2.1)

	PM10	PM30 or TSP	
where k =	0.016	0.082	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	4.7	4.7	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	1.4	1.4	g/m <sup>2</sup> = Ubitiquous Silt Loading Values of typical paved roads (averaged for whole year)
			sL (baseline) = $\frac{0.6}{12}$ g/m <sup>2</sup> for $12$ months (see AP-42 Table 13.2.1-3)
			sL (winter) = $\frac{2.4}{4}$ g/m <sup>2</sup> for $4$ months (see AP-42 Table 13.2.1-3)
E <sub>f</sub> =	0.02	0.13	lb/mile
Unmitigated PTE =	0.01	0.07	tons/yr

Taking natural mitigation due to precipitation into consideration,  $E_{ext} = E \cdot [(365-p)/365]$

where  $p = 125$  days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)

	PM10	PM30 or TSP	
Mitigated PTE =	0.0086	0.04	tons/yr

### Total Fugitive Dust Emissions for Unpaved and Paved Roads

	PM10	PM30 or TSP	
Total Unmitigated PTE =	0.23	0.93	tons/yr
Total Mitigated PTE =	0.15	0.61	tons/yr



# 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)

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

**TO:** Larry Willmann  
Gerdau Ameristeel - Muncie Coating  
1810 S Macedonia Ave  
Muncie, IN 47302

**DATE:** August 15, 2011

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

**SUBJECT:** Final Decision  
MSOP  
035-30444-00076

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



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

August 15, 2011

TO: Muncie Center Twp Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

**Applicant Name: Gardau Ameristeel – Muncie Coating**  
**Permit Number: 035-30444-00076**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library.dot 11/30/07

# Mail Code 61-53

IDEM Staff	CDENNY 8/15/2011 Gerdau Ameristeel - Muncie Coating 035-30444-00076 (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	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		Larry Willmann Gerdau Ameristeel - Muncie Coating 1810 S Macedonia Ave Muncie IN 47302 (Source CAATS)										
2		Mr. Charles L. Berger Attorney Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
3		Muncie City Council and Mayors Office 300 N. High St Muncie IN 47305 (Local Official)										
4		Muncie Center Twp Public Library 301 E Jackson St Muncie IN 47305-1878 (Library)										
5		Delaware County Health Department 200 W Main St, County Bldg Room 207-309 Muncie IN 47305-2874 (Health Department)										
6		Delaware County Commissioners 100 West Main Street Muncie IN 47305 (Local Official)										
7		Mr. Greg Towler Environmental Resources Management (ERM) 11350 N. Meridian St., Suite 320 Carmel IN 46032 (Consultant)										
8		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
9												
10												
11												
12												
13												
14												
15												

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