



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant

DATE: September 12, 2011

RE: Metallurgical Process Materials, LLC / 029-30559-00023

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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Mr. Dennis Wheeland  
Metallurgical Process Materials, LLC  
P.O. Box 340  
Aurora, IN 47001

September 12, 2011

Re: 029-30559-00023  
First Significant Revision to  
F029-18433-00023

Dear Mr. Wheeland:

Metallurgical Process Materials, LLC was issued a Federally Enforceable State Operating Permit (FESOP) No. F029-18433-00023 on December 6, 2006 for a stationary custom blended metallurgical processing source located at 133 Franklin Street, Aurora. On May 18, 2011, the Office of Air Quality (OAQ) received an application from the source requesting to add one (1) new load out bin (#15) to the existing material transfer and conveying area (Unit 3). Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.  
If you have any questions on this matter, please contact Brian Williams, of my staff, at 317-234-5375 or 1-800-451-6027, and ask for extension 4-5375.

Sincerely,



Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/BMW

cc: File - Dearborn County  
Dearborn County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Billing, Licensing and Training Section



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**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
OFFICE OF AIR QUALITY  
Metallurgical Process Materials, LLC  
133 Franklin Street  
Aurora, Indiana 47001**

(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.

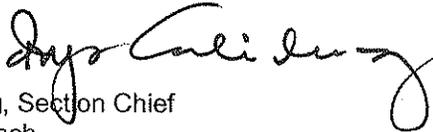
The Permittee must comply with all conditions of this permit. Noncompliance with any provision of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; and denial of a permit renewal application. It shall not be a defense for the Permittee in an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

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 FESOP under 326 IAC 2-8.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F029-18433-00023	
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: December 11, 2006  Expiration Date: December 11, 2011

First Administrative Amendment No. 029-24057-00023, issued on January 25, 2007  
Second Administrative Amendment No. 029-24385-00023, issued on April 26, 2007

Significant Permit Revision No.: 029-30559-00023	
Issued by:  Iryn Callilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 12, 2011  Expiration Date: December 11, 2011

**TABLE OF CONTENTS**

**SECTION A SOURCE SUMMARY .....4**

- A.1 General Information [326 IAC 2-8-3(b)]
- A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]
- A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]
- A.4 FESOP Applicability [326 IAC 2-8-2]

**SECTION B GENERAL CONDITIONS .....6**

- B.1 Definitions [326 IAC 2-8-1]
- B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]
- B.3 Term of Conditions [326 IAC 2-1.1-9.5]
- B.4 Enforceability [326 IAC 2-8-6]
- B.5 Severability [326 IAC 2-8-4(4)]
- B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]
- B.7 Duty to Provide Information[326 IAC 2-8-4(5)(E)]
- B.8 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]
- B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]
- B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]
- B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]
- B.12 Emergency Provisions [326 IAC 2-8-12]
- B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]
- B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]
- B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]
- B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]
- B.17 Permit Renewal [326 IAC 2-8-3(h)]
- B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]
- B.19 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]
- B.20 Source Modification Requirement [326 IAC 2-8-11.1]
- B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]
- B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]
- B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]
- B.24 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]

**SECTION C SOURCE OPERATION CONDITIONS .....16**

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

- C.1 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-3]
- C.2 Opacity [326 IAC 5-1]
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
- C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]
- C.7 Stack Height [326 IAC 1-7]
- C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

**Testing Requirements [326 IAC 2-8-4(3)]**

- C.9 Performance Testing [326 IAC 3-6]

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

- C.10 Compliance Requirements [326 IAC 2-1.1-11]

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

- C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]
- C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]
- C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

**Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

- C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

- C.18 General Record Keeping Requirements.[326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

**Stratospheric Ozone Protection**

- C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

**SECTION D.1 FACILITY OPERATION CONDITIONS - Unit 1 through Unit 4..... 24**

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

- D.1.1 Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>) [326 IAC 2-8-4] [326 IAC 2-2]
- D.1.2 Particulate Matter [326 IAC 2-2]
- D.1.3 Particulate Matter (PM) [326 IAC 6.5-1]
- D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

**Compliance Determination Requirements**

- D.1.5 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]
- D.1.6 Particulate Control

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

- D.1.7 Visible Emissions Notations
- D.1.8 Parametric Monitoring
- D.1.9 Broken or Failed Bag Detection
- D.1.10 Cyclone Inspections
- D.1.11 Cyclone Failure Detection

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

- D.1.12 Record Keeping Requirements

**Certification Form ..... 29**

**Emergency Occurrence Form ..... 30**

**Quarterly Deviation and Compliance Monitoring Report Form ..... 32**

## 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 through A.3 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 2-8-3(b)]

---

The Permittee owns and operates a stationary custom blended metallurgical processing source.

Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Mailing Address: P.O Box 340, Aurora, Indiana 47001  
General Source Phone: 812-926-3399  
SIC Code: 3295 (Minerals and Earths, Ground or Otherwise Treated)  
County Location: Dearborn (Center Township)  
Source Location Status: Attainment for all criteria pollutants  
Source Status: Federally Enforceable State Operating Permit (FESOP)  
Minor Source, under PSD 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 [326 IAC 2-8-3(c)(3)]

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

- (a) Five (5) storage bins (#1 - #5), collectively identified as Unit 1, installed in 1990, each equipped with a bin vent filter for particulate control, exhausted to Stacks S1a through S1e, capacity: 20 tons of metallurgical aggregate per hour, total.
- (b) One (1) natural gas-fired rotary dryer, identified as Unit 2, installed in 1990, equipped with a baghouse, identified as S2, and cyclone for particulate control, exhausted to Stack S2, rated at 5.0 million British thermal units per hour, capacity: 10 tons of aggregate per hour.
- (c) One (1) material transfer and conveying area, identified as Unit 3, approved for modification in 2011, capacity: 20 tons of metallurgical aggregate per hour, consisting of:
  - (1) Three (3) product storage bins (#9, #10 and #12), each equipped with a bin vent filter for particulate control identified as S3a - S3c, exhausted to Stacks S3a through S3c.
  - (2) One (1) mixer, equipped with a bin vent filter for particulate control, identified as S3e, exhausted to Stack S3e.
  - (3) Two (2) load out bins (#11 and #14), each equipped with a bin vent filter for particulate control, identified as S3f and S3g, exhausted to Stacks S3f and S3g.
  - (4) One (1) load out bin (#15), approved for construction in 2011, equipped with a bin vent filter for particulate control, identified as S3h, exhausting to Stack S3h.
- (d) One (1) briquette load out bin (#13) and bucket elevator, identified as Unit 4, equipped with a baghouse, identified as S4, for particulate control, exhausted to Stack S4.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21): Natural gas-fired combustion sources with heat input equal to or less than ten (10) million British thermal units per hour, including:

- (a) One (1) natural gas-fired heater, identified as H3, installed in 1997, exhausted to Stack S5, rated at 0.100 million British thermal units per hour.
- (b) Two (2) natural gas-fired heaters, identified as H1 and H2, installed in 1992, exhausted to general ventilation, rated at 0.150 and 0.175 million British thermal units per hour, respectively.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

## SECTION B

## GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-8-1]

---

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

### B.2 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

---

- (a) This permit, 029-18433-00023, 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 [326 IAC 2-8-6]

---

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 [326 IAC 2-8-4(4)]

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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 [326 IAC 2-8-4(5)(D)]

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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 [326 IAC 2-8-4(5)(E)]

---

- (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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]**

---

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) an "authorized individual" is defined at 326 IAC 2-1.1-1(1).

**B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]**

---

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

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

- (b) The annual compliance certification report 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 annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]**

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IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, 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 Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other

requirements in this permit;

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or  
Telephone Number: 317-233-0178 (ask for Compliance Section)  
Facsimile Number: 317-233-6865

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

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

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to F 029-18433-00023 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.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]**

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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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

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

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

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

**B.17 Permit Renewal [326 IAC 2-8-3(h)]**

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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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification 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  
Permits Branch, 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 nine (9) months 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 2-8 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 in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
  - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
  - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
  - (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-8-15(c)]  
The Permittee may trade emissions increases and decreases at in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

#### **B.20 Source Modification Requirement [326 IAC 2-8-11.1]**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]

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 FESOP 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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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  
Permits Branch, 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) 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.24 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]

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 2-8-4(1)]

#### C.1 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-3]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred and fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

#### C.2 Opacity [326 IAC 5-1]

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

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

#### C.3 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.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]**

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The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

**C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]**

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Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the following plan submitted on July 11, 2006:

- (a) Travel surfaces within the plant are paved,
- (b) A sprinkling system has been installed along the plant's truck roadway to water roads as needed,
- (c) All road surfaces are swept on an as needed basis,
- (d) Log books documenting the sweeping and watering activities will be maintained,
- (e) Speed bumps have been installed on the plant's truck roadway and will be maintained to control speed,
- (f) Additional speed signs have been installed and will be maintained to control speed,
- (g) Screening inserts have been installed in the existing fence and shall be maintained to further minimize offsite transport of fugitive dust, and
- (h) All bulk materials that have the potential to create fugitive dust are stored within three-sided buildings or on paved pads under tarps when not in use.

**C.7 Stack Height [326 IAC 1-7]**

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The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

**C.8 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  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-52 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. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-8-4(3)]**

#### **C.9 Performance Testing [326 IAC 3-6]**

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

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management

Compliance 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. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ, of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.10 Compliance Requirements [326 IAC 2-1.1-11]

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 2-8-4][326 IAC 2-8-5(a)(1)]**

##### C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

**C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

**C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

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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 [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

**C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:  
  
Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
within ninety (90) days after the date of issuance of this permit.  
  
The ERP does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation
  - (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (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;
  - (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 maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

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

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

#### **C.18 General Record Keeping Requirements.[326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

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

#### **C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (c) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. 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.
- (d) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

**SECTION D.1 FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-8-4(10)]: Metallurgical Processing**

- (a) Five (5) storage bins (#1 - #5), collectively identified as Unit 1, installed in 1990, each equipped with a bin vent filter for particulate control, exhausted to Stacks S1a through S1e, capacity: 20 tons of metallurgical aggregate per hour, total.
- (b) One (1) natural gas-fired rotary dryer, identified as Unit 2, installed in 1990, equipped with a baghouse, identified as S2, and cyclone for particulate control, exhausted to Stack S2, rated at 5.0 million British thermal units per hour, capacity: 10 tons of aggregate per hour.
- (c) One (1) material transfer and conveying area, identified as Unit 3, approved for modification in 2011, capacity: 20 tons of metallurgical aggregate per hour, consisting of:
  - (1) Three (3) product storage bins (#9, #10 and #12), each equipped with a bin vent filter for particulate control identified as S3a - S3c, exhausted to Stacks S3a through S3c.
  - (2) One (1) mixer, equipped with a bin vent filter for particulate control, identified as S3e, exhausted to Stack S3e.
  - (3) Two (2) load out bins (#11 and #14), each equipped with a bin vent filter for particulate control, identified as S3f and S3g, exhausted to Stacks S3f and S3g.
  - (4) One (1) load out bin (#15), approved for construction in 2011, equipped with a bin vent filter for particulate control, identified as S3h, exhausting to Stack S3h.
- (d) One (1) briquette load out bin (#13) and bucket elevator, identified as Unit 4, equipped with a baghouse, identified as S4, for particulate control, exhausted to Stack S4.

(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.1.1 Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>) [326 IAC 2-8-4] [326 IAC 2-2]**

Pursuant to 326 IAC 2-8-4, the PM<sub>10</sub> and PM<sub>2.5</sub> emissions shall not exceed the hourly rates expressed in the following table:

Emission Unit	Hourly PM <sub>10</sub> Limit (lbs/hr)	Hourly PM <sub>2.5</sub> Limit (lbs/hr)
Storage Bin #1	0.24	0.24
Storage Bin#2	0.24	0.24
Storage Bin #3	0.24	0.24
Storage Bin #4	0.24	0.24
Storage Bin #5	0.24	0.24
Rotary Dryer Unit 2	12.5	12.5
Storage Bin #9	0.57	0.57
Storage Bin #10	0.57	0.57
Storage Bin #12	0.57	0.57

Emission Unit	Hourly PM <sub>10</sub> Limit (lbs/hr)	Hourly PM <sub>2.5</sub> Limit (lbs/hr)
Mixer	0.57	0.57
Load Out Bin #11	0.57	0.57
Load Out Bin #14	0.57	0.57
Load Out Bin #15	0.57	0.57
Briquette Load Out Unit 4	3.00	3.00

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

**D.1.2 Particulate Matter (PM) [326 IAC 2-2]**

In order to render 326 IAC 2-2 not applicable, the PM emissions shall not exceed the hourly rates expressed in the following table:

Emission Unit	Hourly PM Limit (lbs/hr)
Storage Bin #1	0.141
Storage Bin #2	0.141
Storage Bin #3	0.141
Storage Bin #4	0.141
Storage Bin #5	0.141
Rotary Dryer Unit 2	2.057
Storage Bin #9	0.141
Storage Bin #10	0.193
Storage Bin #12	0.042
Mixer	0.193
Load Out Bin #11	0.042
Load Out Bin #14	0.193
Load Out Bin #15	0.042
Briquette Load Out Unit 4	1.122

Compliance with these limits, combined with the limited potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

**D.1.3 Particulate Matter (PM) [326 IAC 6.5-1]**

Pursuant to 326 IAC 6.5-1-2(a) (Nonattainment Area Limitations), particulate matter (PM) emissions from processes, identified as Units 1 through 4, shall not exceed 0.03 grains per dry standard cubic foot of exhaust air, each.

**D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

## Compliance Determination Requirements

### D.1.5 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

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- (a) To demonstrate compliance with Conditions D.1.1 and D.1.2, a PM and PM<sub>10</sub> stack test shall be performed at the one (1) natural gas fired rotary dryer, identified as Unit 2. The stack test shall be performed no later than August 13, 2008, which corresponds to five (5) years since the latest valid stack test, which was performed August 13, 2003, utilizing methods as approved by the Commissioner. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.
- (b) To demonstrate compliance with Conditions D.1.1 and D.1.2, a PM and PM<sub>10</sub> stack test shall be performed at the the one (1) bucket elevator for loading the briquette bin, which exhausts to stack 4. The stack test shall be performed no later than September 27, 2006, which corresponds to five (5) years since the latest valid stack test, which was performed September 27, 2001, utilizing methods as approved by the Commissioner. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.

### D.1.6 Particulate Control

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- (a) In order to comply with Conditions D.1.1, D.1.2, and D.1.3 the bin vent filters, baghouses, and cyclone for particulate control shall be in operation and control emissions from Units 1 through 4 at all times that these facilities are 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.1.7 Visible Emissions Notations

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- (a) Visible emission notations of the Unit 1 through Unit 4 stack exhausts S1a through S1e, S2, S3a through S3c, S3e through S3h, and S4 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.1.8 Parametric Monitoring

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The Permittee shall record the pressure drop across the baghouses used in conjunction with the rotary dryer (Unit 2) and the briquette load out (Unit 4), at least once per day when any of the processes are in operation, as follows:

- (a) When for any one reading, the pressure drop across the baghouse, used in conjunction with the rotary dryer (Unit 2) is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) When for any one reading, the pressure drop across the baghouse, used in conjunction with briquette load out (Unit 4) is outside the normal range of 3.0 and 9.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (c) 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 at least once every six (6) months.

#### D.1.9 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 the emission unit. 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's 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.

#### D.1.10 Cyclone Inspections

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An inspection shall be performed each calendar quarter of the cyclone associated with rotary dryer (Unit 2) when venting to the atmosphere. A cyclone inspection shall be performed within three (3) months of redirecting vents to the atmosphere and every three (3) months thereafter. Inspections are optional when venting to the indoors.

#### D.1.11 Cyclone Failure Detection

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- (a) For a cyclone 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 cyclone 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 the emissions unit. 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).

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

#### D.1.12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.7, the Permittee shall maintain daily records of visible emission notations of each of the Units 1 through 4 stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.1.8, the Permittee shall maintain daily records of the pressure drop across the baghouses controlling Units 2 and 4. 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 (e.g. the process did not operate that day).
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain records of the results of the inspections required under Conditions D.1.10.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Metallurgical Process Materials, LLC  
Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Mailing Address: P.O. Box 340, Aurora, Indiana 47001  
FESOP No.: F 029-18433-00023

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

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) \_\_\_\_\_
- Report (specify) \_\_\_\_\_
- Notification (specify) \_\_\_\_\_
- Affidavit (specify) \_\_\_\_\_
- Other (specify) \_\_\_\_\_

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT**

Source Name: Metallurgical Process Materials, LLC  
Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Mailing Address: P.O. Box 340, Aurora, Indiana 47001  
FESOP No.: F 029-18433-00023

**This form consists of 2 pages**

**Page 1 of 2**

- |   |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16</li></ul> |
|---|

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

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

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

**Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

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

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

Phone: \_\_\_\_\_

A certification is not required for this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Metallurgical Process Materials, LLC  
Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Mailing Address: P.O. Box 340, Aurora, Indiana 47001  
FESOP No.: F 029-18433-00023

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

Page 1 of 2

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

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by: \_\_\_\_\_

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

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

Phone: \_\_\_\_\_

Attach a signed certification to complete this report

## Indiana Department of Environmental Management Office of Air Quality

### Technical Support Document (TSD) for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

#### Source Description and Location

<b>Source Name:</b>	<b>Metallurgical Process Materials, LLC</b>
<b>Source Location:</b>	<b>133 Franklin Street, Aurora, IN 47001</b>
<b>County:</b>	<b>Dearborn</b>
<b>SIC Code:</b>	<b>3295 (Minerals and Earths, Ground or Otherwise Treated)</b>
<b>Operation Permit No.:</b>	<b>F 029-18433-00023</b>
<b>Operation Permit Issuance Date:</b>	<b>December 11, 2006</b>
<b>Significant Permit Revision No.:</b>	<b>029-30559-00023</b>
<b>Permit Reviewer:</b>	<b>Brian Williams</b>

On May 19, 2011, the Office of Air Quality (OAQ) received an application from Metallurgical Process Materials, LLC related to a modification to an existing custom blended metallurgical processing source.

#### Existing Approvals

The source was issued FESOP No. 029-18433-00023 on December 6, 2006. The source has since received the following approvals:

- (a) First Administrative Amendment No. 029-24057-00023, issued on January 25, 2007; and
- (b) Second Administrative Amendment No. 029-24385-00023, issued on April 26, 2007.

#### County Attainment Status

The source is located in Dearborn County.

Pollutant	Designation
SO <sub>2</sub>	Cannot be classified.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective May 11, 2010, 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.  Basic nonattainment designation effective federally April 5, 2005, for the Lawrenceburg Twp for PM2.5. The remainder of Dearborn County is unclassifiable or attainment effective April 5, 2005, for PM2.5.	

- (a) **Ozone Standards**  
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to ozone. Dearborn County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM<sub>2.5</sub>**  
 Center Township of Dearborn 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. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM<sub>2.5</sub> significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM<sub>2.5</sub> and SO<sub>2</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**  
 Dearborn County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

**Status of the Existing Source**

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)							
	PM	PM10	SO <sub>2</sub>	NOx	VOC	CO	Total HAPs	Worst Single HAP
Storage Bins Unit 1	0.563	5.26	0	0	0	0	0	0
Rotary Dryer Unit 2	9.01	54.8	0.013	2.19	0.12	1.84	0.041	negl.
Material Transfer Unit 3	0.563	17.5	0	0	0	0	0	0
Briquette Load Out Unit 4	4.92	13.1	0	0	0	0	0	0
Insignificant Activities	0.004	0.014	0.001	0.19	0.01	0.16	0.004	negl.
<b>Total PTE of Entire Source</b>	<b>15.1</b>	<b>90.7</b>	<b>0.014</b>	<b>2.35</b>	<b>0.13</b>	<b>2.0</b>	<b>0.045</b>	<b>negl.</b>
Title V Major Source Thresholds	NA	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	NA
negl. = negligible These emissions are based upon TSD to FESOP No. 029-18433-00023, issued on December 6, 2006.								

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of

the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Metallurgical Process Materials, LLC on May 18, 2011, relating to the addition of one (1) new load out bin (#15) to the existing material transfer and conveying area (Unit 3).

The following is a list of the new/modified emission units and pollution control devices:

- (a) One (1) material transfer and conveying area, identified as Unit 3, approved for modification in 2011, capacity: 20 tons of metallurgical aggregate per hour, consisting of:
  - (1) One (1) load out bin (#15), approved for construction in 2011, equipped with a bin vent filter for particulate control, identified as S3h, exhausting to Stack S3h.

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

**Permit Level Determination – FESOP Revision**

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)									
	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	GHGs as CO <sub>2</sub> e	Total HAPs	Worst Single HAP
Load Out Bin #15 (Unit 3)**	12.39	12.39	12.39	0	0	0	0	0	0	0
Total PTE of Proposed Revision	12.39	12.39	12.39	0	0	0	0	0	0	0

negl. = negligible  
 \* 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".  
 \*\* PTE before control

This FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1(g) because it involves adjustment to the existing source-wide emissions limitations to maintain the FESOP status of the source (see PTE of the Entire Source After The Issuance of the FESOP Revision Section).

**PTE of the Entire Source After Issuance of the FESOP Revision**

The table below summarizes the potential to emit of the entire source reflecting adjustment of existing limits, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM <sup>1</sup>	PM10 <sup>2</sup>	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	GHGs as CO <sub>2</sub> e <sup>3</sup>	Total HAPs	Worst Single HAP
Storage Bins Unit 4	<del>0.563</del>	<del>5.26</del>	-	0	0	0	0	-	0	0
Storage Bin #1	<b>0.62</b>	<b>1.05</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #2	<b>0.62</b>	<b>1.05</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #3	<b>0.62</b>	<b>1.05</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #4	<b>0.62</b>	<b>1.05</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #5	<b>0.62</b>	<b>1.05</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Rotary Dryer Unit 2	9.01	54.8	<b>54.8</b>	0.013	2.19	0.12	1.84	<b>2,643.99</b>	0.041	negl.
Material Transfer Unit 3	<del>0.563</del>	<del>47.5</del>	-	0	0	0	0	-	0	0
Storage Bin #9	<b>0.62</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #10	<b>0.84</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Storage Bin #12	<b>0.19</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mixer	<b>0.84</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Load Out Bin #11	<b>0.19</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Load Out Bin #14	<b>0.84</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Load Out Bin #15	<b>0.19</b>	<b>2.50</b>	<b>2.50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Briquette Load Out Unit 4	4.92	13.1	<b>13.1</b>	0	0	0	0	<b>0</b>	0	0
Insignificant Activities <sup>4</sup>	0.004	0.014	<b>0.014</b>	0.001	0.19	0.01	0.16	<b>224.74</b>	0.004	negl.
<b>Total PTE of Entire Source</b>	<del>15.4</del> <b>20.74</b>	90.7	<b>90.7</b>	0.014	<del>2.358</del>	0.13	2.0	<b>2,868.73</b>	0.045	negl.
Title V Major Source Thresholds <sup>3</sup>	NA	100	<b>100</b>	100	100	100	100	<b>100,000</b>	10	10
PSD Major Source Thresholds <sup>3</sup>	250	250	<b>250</b>	250	250	250	250	<b>100,000</b>	NA	NA

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM <sup>1</sup>	PM10 <sup>2</sup>	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	GHGs as CO <sub>2</sub> e <sup>3</sup>	Total HAPs	Worst Single HAP
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	<b>NA</b>	NA	NA	NA	NA	<b>NA</b>	NA	NA
negl. = negligible <sup>1</sup> PM emissions from the storage bins, rotary dryer, mixer, and load out bins have been limited to be equivalent to the allowable emissions under 326 IAC 6.5-1-2(a). Compliance with these limits also renders 326 IAC 2-2 (PSD) not applicable. <sup>2</sup> 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". <sup>3</sup> The 100,000 CO <sub>2</sub> e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD. <sup>4</sup> Unlimited PTE										

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)									
	PM <sup>1</sup>	PM10 <sup>2</sup>	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	GHGs as CO <sub>2</sub> e <sup>3</sup>	Total HAPs	Worst Single HAP
Storage Bin #1	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #2	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #3	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #4	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #5	0.62	1.05	1.05	0	0	0	0	0	0	0
Rotary Dryer Unit 2	9.01	54.8	54.8	0.013	2.19	0.12	1.84	2,643.99	0.041	negl.
Storage Bin #9	0.62	2.50	2.50	0	0	0	0	0	0	0
Storage Bin #10	0.84	2.50	2.50	0	0	0	0	0	0	0
Storage Bin #12	0.19	2.50	2.50	0	0	0	0	0	0	0
Mixer	0.84	2.50	2.50	0	0	0	0	0	0	0
Load Out Bin #11	0.19	2.50	2.50	0	0	0	0	0	0	0
Load Out Bin #14	0.84	2.50	2.50	0	0	0	0	0	0	0

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)									
	PM <sup>1</sup>	PM10 <sup>2</sup>	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	GHGs as CO <sub>2</sub> e <sup>3</sup>	Total HAPs	Worst Single HAP
Load Out Bin #15	0.19	2.50	2.50	0	0	0	0	0	0	0
Briquette Load Out Unit 4	4.92	13.1	13.1	0	0	0	0	0	0	0
Insignificant Activities <sup>4</sup>	0.004	0.014	0.014	0.001	0.19	0.01	0.16	224.74	0.004	negl.
<b>Total PTE of Entire Source</b>	<b>20.74</b>	<b>90.7</b>	<b>90.7</b>	<b>0.014</b>	<b>2.38</b>	<b>0.13</b>	<b>2.0</b>	<b>2,868.73</b>	<b>0.045</b>	<b>negl.</b>
Title V Major Source Thresholds <sup>3</sup>	NA	100	100	100	100	100	100	100,000	10	10
PSD Major Source Thresholds <sup>3</sup>	250	250	250	250	250	250	250	100,000	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
negl. = negligible <sup>1</sup> PM emissions from the storage bins, rotary dryer, mixer, and load out bins have been limited to be equivalent to the allowable emissions under 326 IAC 6.5-1-2(a). Compliance with these limits also renders 326 IAC 2-2 (PSD) not applicable. <sup>2</sup> 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". <sup>3</sup> The 100,000 CO <sub>2</sub> e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD. <sup>4</sup> Unlimited PTE										

(a) FESOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (1) The PM10 and PM2.5 emissions from the following units shall not exceed the emission limits listed in the table below:

Emission Unit	Hourly PM <sub>10</sub> Limit (lbs/hr)	Hourly PM <sub>2.5</sub> Limit (lbs/hr)
Storage Bin #1	0.24	0.24
Storage Bin #2	0.24	0.24
Storage Bin #3	0.24	0.24
Storage Bin#4	0.24	0.24

<b>Emission Unit</b>	<b>Hourly PM<sub>10</sub> Limit (lbs/hr)</b>	<b>Hourly PM<sub>2.5</sub> Limit (lbs/hr)</b>
Storage Bin #5	0.24	0.24
Rotary Dryer Unit 2	12.5	12.5
Storage Bin #9	0.57	0.57
Storage Bin #10	0.57	0.57
Storage Bin #12	0.57	0.57
Mixer	0.57	0.57
Load Out Bin #11	0.57	0.57
Load Out Bin #14	0.57	0.57
Load Out Bin #15	0.57	0.57
Briquette Load Out Unit 4	3.00	3.00

Note: The PM10 emissions from the storage bins (Unit 1) were previously limited to 1.20 pounds per hour, combined. However, each of the storage bins exhausts to a separate bin vent filter and stack. Therefore, each storage bin in Unit 1 will now have a separate PM10 emission limit. The PM10 emissions from the material and transfer conveying area (Unit 3) were previously limited to 4.0 pounds per hour, combined. However, each of the emission units located in the material and transfer conveying area exhausts to a separate bin vent filter and stack. Therefore, each emission unit will now have a separate PM10 emission limit. The PM10 limits have not been revised for the rotary dryer (Unit 2) and the briquette load out (unit 4). Finally, PM2.5 limits have been included because the potential to emit PM2.5 from the entire source is greater than 100 tons per year.

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(b) PSD Minor Source

This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

- (1) The PM emissions shall not exceed the hourly rates expressed in the following table:

<b>Emission Unit</b>	<b>Hourly PM Limit (lbs/hr)</b>
Storage Bin #1	0.141
Storage Bin #2	0.141
Storage Bin #3	0.141
Storage Bin #4	0.141
Storage Bin #5	0.141

<b>Emission Unit</b>	<b>Hourly PM Limit (lbs/hr)</b>
Rotary Dryer Unit 2	2.057
Storage Bin #9	0.141
Storage Bin #10	0.193
Storage Bin #12	0.042
Mixer	0.193
Load Out Bin #11	0.042
Load Out Bin#14	0.193
Load Out Bin #15	0.042
Briquette Load Out Unit 4	1.122

Note: Due to this revision these new limits have been included because the potential to emit PM from the entire source is greater than 250 tons per year.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

#### **Federal Rule Applicability Determination**

##### New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subpart OOO (326 IAC 12), are not included for this proposed revision, because in the definition of a nonmetallic mineral processing facility, the processing of nonmetallic minerals must include crushing or grinding. Therefore, since this source only colors and packages aggregate, the requirements of NSPS Subpart OOO are not included in this permit.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

##### National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

##### Compliance Assurance Monitoring (CAM)

- (d) 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.

#### **State Rule Applicability Determination**

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-8-4 (FESOP)  
This revision to an existing Title V minor stationary source will not change the minor status,

because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))  
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))  
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new unit is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (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.

#### Load Out Bin #15

- (a) 326 IAC 1-6-3 (Preventive Maintenance Plan)  
Pursuant to 326 IAC 1-6-3, a preventive maintenance plan is required for the load out bin and its control device.
- (b) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)  
Pursuant to 326 IAC 6-3-1(c)(3), the load out bin is not subject to the requirements of 326 IAC 6-3 because it is subject to particulate matter emission limits established in 326 IAC 6.5.
- (c) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)  
This source is located in Dearborn County. This source is not specifically listed in 326 IAC 6.5-3 and has an unlimited potential to emit greater than one hundred (100) tons of particulate matter per year. Therefore, this source is subject to the requirements of 326 IAC 6.5-1-2. Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from load out bin #15 shall not exceed seven-

hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

The bin vent filter shall be in operation at all times load out bin #15 is in operation, in order to comply with this limit.

- (d) There are no 326 IAC 8 Rules that are applicable to the load out bin because it does not have a potential to emit VOC.

The source shall continue to comply with all other the applicable requirements and permit conditions as contained in FESOP No: 029-18433-00023, issued on December 6, 2006.

**Compliance Determination, Monitoring and Testing Requirements**

- (a) The compliance determination and monitoring requirements applicable to this proposed revision are as follows:

Emission Unit/Control	Operating Parameters	Frequency
Load Out Bin #15/Bin Vent Filter S3h	Visible Emissions	Once per day

- (b) There are no new testing requirements included in this permit due to this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No: 029-18433-00023, issued on December 6, 2006.

**Proposed Changes**

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
  - (1) The emission unit descriptions in Sections A.2 and D.1 for the material transfer and conveying area have been revised to include the new load out bin.
  - (2) The existing PM10 emission limits in Section D.1 - Particulate Matter (PM10) have been revised to reflect that each emission unit at the source is controlled by a separate bin vent filter, baghouse, or cyclone and exhausts to separate stacks. In addition, new PM2.5 emission limits have been included, since the unlimited potential to emit PM2.5 is greater than 100 tons per year. Compliance with these limits renders 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (PSD) not applicable.
  - (3) Section D.1 has been revised to include a Condition D.1.2 - Particulate Matter. This new condition contains PM emission limits for Units 1 through 4, since the unlimited potential to emit PM is greater than 250 tons per year. Therefore, the source must limit PM emissions to less than 250 tons per year in order to remain a minor source under 326 IAC 2-2 (PSD). Existing conditions in Section D.1 have been renumbered due to the addition of this condition.
  - (4) Section D.1 - Particulate Control has been revised to reflect that the bin vent filters must be in operation at all times in order to comply with the emission limits in Section D.1. In addition, it has been moved from the compliance monitoring section to the compliance determination section.
  - (5) Section D.1 - Visible Emissions has been revised to include the new load out bin stack.

- (c) One (1) material transfer and conveying area, identified as Unit 3, **approved for modification in 2011**, capacity: 20 tons of metallurgical aggregate per hour, consisting of:

- (4) **One (1) load out bin (#15), approved for construction in 2011, equipped with a bin vent filter for particulate control, identified as S3h, exhausting to Stack S3h.**

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Metallurgical Processing

- (c) One (1) material transfer and conveying area, identified as Unit 3, **approved for modification in 2011**, capacity: 20 tons of metallurgical aggregate per hour, consisting of:

- (4) **One (1) load out bin (#15), approved for construction in 2011, equipped with a bin vent filter for particulate control, identified as S3h, exhausting to Stack S3h.**

D.1.1 Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>) [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, the PM<sub>10</sub> and PM<sub>2.5</sub> emissions shall not exceed the hourly rates expressed in the following table:

Emission Unit	Hourly PM <sub>10</sub> Limit (lbs/hr)	Hourly PM <sub>2.5</sub> Limit (lbs/hr)
Storage Bin Unit 1 #1	<del>1.20</del> <b>0.24</b>	<b>0.24</b>
<b>Storage Bin #2</b>	<b>0.24</b>	<b>0.24</b>
<b>Storage Bin #3</b>	<b>0.24</b>	<b>0.24</b>
<b>Storage Bin #4</b>	<b>0.24</b>	<b>0.24</b>
<b>Storage Bin #5</b>	<b>0.24</b>	<b>0.24</b>
Rotary Dryer Unit 2	12.5	<b>12.5</b>
Material Transfer Unit 3	4.00	
<b>Storage Bin #9</b>	<b>0.57</b>	<b>0.57</b>
<b>Storage Bin #10</b>	<b>0.57</b>	<b>0.57</b>
<b>Storage Bin #12</b>	<b>0.57</b>	<b>0.57</b>
<b>Mixer</b>	<b>0.57</b>	<b>0.57</b>
<b>Load Out Bin #11</b>	<b>0.57</b>	<b>0.57</b>
<b>Load Out Bin #14</b>	<b>0.57</b>	<b>0.57</b>
<b>Load Out Bin #15</b>	<b>0.57</b>	<b>0.57</b>
Briquette Load Out Unit 4	3.00	<b>3.00</b>

Compliance with the above limitations will render the requirements of 326 IAC 2-7 (Part 70) not applicable. **Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

**D.1.2 Particulate Matter (PM) [326 IAC 2-2]**

**In order to render 326 IAC 2-2 not applicable, the PM emissions shall not exceed the hourly rates expressed in the following table:**

Emission Unit	Hourly PM Limit (lbs/hr)
Storage Bin #1	0.141
Storage Bin #2	0.141
Storage Bin #3	0.141
Storage Bin #4	0.141
Storage Bin #5	0.141
Rotary Dryer Unit 2	2.057
Storage Bin #9	0.141
Storage Bin #10	0.193
Storage Bin #12	0.042
Mixer	0.193
Load Out Bin #11	0.042
Load Out Bin #14	0.193
Load Out Bin #15	0.042
Briquette Load Out Unit 4	1.122

**Compliance with these limits, combined with the limited potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

**D.1.23 Particulate Matter (PM) [326 IAC 6.5-1]**

...

**D.1.34 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

...

**D.1.45 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]**

...

**D.1.56 Particulate Control**

- (a) In order to comply with Conditions D.1.1, ~~and~~ D.1.2, **and D.1.3** the **bin vent filters**, baghouses, and cyclone for particulate control shall be in operation and control emissions from Units ~~2 and Unit 1~~ **1 through 4** at all times that these facilities are in operation.

...

**D.1.67 Visible Emissions Notations**

- (a) Visible emission notations of the Unit 1 through Unit 4 stack exhausts S1a through S1e, S2, S3a through S3c, S3e **through S3h**, ~~S3f~~ and S4 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.

...

**D.1.78 Parametric Monitoring**

...

**D.1.89 Broken or Failed Bag Detection**

...  
**D.1.910** Cyclone Inspections

---

**D.1.101** Cyclone Failure Detection

---

...  
**D.1.112** Record Keeping Requirements

---

- (a) To document compliance with Condition **D.1.67**, the Permittee shall maintain daily records of visible emission notations of each of the Units 1 through 4 stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition **D.1.78**, the Permittee shall maintain daily records of the pressure drop across the baghouses controlling Units 2 and 4. 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 (e.g. the process did not operate that day).
- (c) To document compliance with Condition **D.1.910**, the Permittee shall maintain records of the results of the inspections required under Conditions **D.1.910**.

...  
(b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:

- (1) Section A.1 has been revised to indicate that Center Township in Dearborn County is now in unclassifiable or attainment for the 8-hour ozone and PM<sub>2.5</sub> standard.

...  
**A.1** General Information [326 IAC 2-8-3(b)]

---

The Permittee owns and operates a stationary custom blended metallurgical processing source.

...  
Source Location Status:    ~~Nonattainment for the 8-hour ozone standard~~  
   ~~Nonattainment for the PM<sub>2.5</sub> standard~~  
   Attainment for all ~~other~~ criteria pollutants

...  
**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 May 18, 2011.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Revision No. 023-30559-00023. The staff recommends to the Commissioner that this FESOP Significant Revision be approved.

**IDEM Contact**

---

- (a) Questions regarding this proposed permit can be directed to Brian Williams 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) 234-5375 or toll free at 1-800-451-6027 extension 4-5375.
- (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  
Dust Control Operations**

**Company Name: Metallurgical Process Materials, LLC  
Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Permit Number: F029-30559-00023  
Reviewer: Brian Williams**

Unit ID	Process	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Emission Rate before Controls (lb/hr)	Emission Rate before Controls (tons/yr)	Emission Rate after Controls (lb/hr)	Emission Rate after Controls (tons/yr)	Limited PM10/PM2.5 Emission Rate (lb/hr)	Limited PM10/PM2.5 Emissions (tons/yr)
Unit 1	Storage Bin #1	99.0%	0.020	550.0	9.43	41.30	0.094	0.41	0.24	1.05
	Storage Bin #2	99.0%	0.020	550.0	9.43	41.30	0.094	0.41	0.24	1.05
	Storage Bin #3	99.0%	0.020	550.0	9.43	41.30	0.094	0.41	0.24	1.05
	Storage Bin #4	99.0%	0.020	550.0	9.43	41.30	0.094	0.41	0.24	1.05
	Storage Bin #5	99.0%	0.020	550.0	9.43	41.30	0.094	0.41	0.24	1.05
Unit 2	Rotary Dryer	99.0%	0.010	8000.0	N/A	N/A	0.686	3.00	12.5	54.75
Unit 3	Storage Bin #9	99.0%	0.020	550.0	9.4	41.30	0.094	0.41	0.57	2.50
	Storage Bin #10	99.0%	0.020	750.0	12.9	56.31	0.129	0.56	0.57	2.50
	Storage Bin #12	99.0%	0.020	165.0	2.8	12.39	0.028	0.12	0.57	2.50
	Mixer	99.0%	0.020	750.0	12.9	56.31	0.129	0.56	0.57	2.50
	Load Out Bin #11	99.0%	0.020	165.0	2.8	12.39	0.028	0.12	0.57	2.50
	Load Out Bin #14	99.0%	0.020	750.0	12.9	56.31	0.129	0.56	0.57	2.50
	<b>Load Out Bin #15 (New)</b>	<b>99.0%</b>	<b>0.020</b>	<b>165.0</b>	<b>2.8</b>	<b>12.39</b>	<b>0.028</b>	<b>0.12</b>	<b>0.57</b>	<b>2.50</b>
Unit 4	Briquette Load Out Bin #13	99.0%	0.010	4364.0	37.4	163.84	0.374	1.64	3.0	13.14
<b>Total:</b>						<b>617.7</b>		<b>9.18</b>		<b>90.67</b>

Note: Control Device is Integral to the Process at Unit 2. In addition, Unit 1 and 3 are with bin filters while Units 2 and 4 are with baghouses.

Unit ID	Process	Control Efficiency (%)	Allowable Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Allowable PM Emission Rate* (lb/hr)	Allowable PM Emission Rate* (tons/yr)
Unit 1	Storage Bin #1	99.0%	0.030	550.0	0.141	0.62
	Storage Bin #2	99.0%	0.030	550.0	0.141	0.62
	Storage Bin #3	99.0%	0.030	550.0	0.141	0.62
	Storage Bin #4	99.0%	0.030	550.0	0.141	0.62
	Storage Bin #5	99.0%	0.030	550.0	0.141	0.62
Unit 2	Rotary Dryer	99.0%	0.030	8000.0	2.057	9.01
Unit 3	Storage Bin #9	99.0%	0.030	550.0	0.141	0.62
	Storage Bin #10	99.0%	0.030	750.0	0.193	0.84
	Storage Bin #12	99.0%	0.030	165.0	0.042	0.19
	Mixer	99.0%	0.030	750.0	0.193	0.84
	Load Out Bin #11	99.0%	0.030	165.0	0.042	0.19
	Load Out Bin #14	99.0%	0.030	750.0	0.193	0.84
	<b>Load Out Bin #15 (New)</b>	<b>99.0%</b>	<b>0.030</b>	<b>165.0</b>	<b>0.042</b>	<b>0.19</b>
Unit 4	Briquette Load Out Bin #13	99.0%	0.030	4364.0	1.122	4.92
<b>Total:</b>						<b>20.73</b>

\*Allowable Emission Rate Pursuant to 6.5-1

**Methodology**

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)  
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)  
Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)  
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**Company Name:** Metallurgical Process Materials, LLC  
**Source Address:** 133 Franklin Street, Aurora, Indiana 47001  
**Permit Number:** F029-30559-00023  
**Reviewer:** Brian Williams

**Rotary Dryer**

Heat Input Capacity                      Potential Throughput  
MMBtu/hr                                      MMCF/yr

5.00

44

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.90	7.60	7.6	0.600	100 **see below	5.50	84.0
Potential Emission in tr	0.042	0.166	0.2	0.013	2.19	0.120	1.84

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98).

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 4 for HAPs emissions calculations.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**HAPs Emissions**

**Company Name:** Metallurgical Process Materials, LLC  
**Source Address:** 133 Franklin Street, Aurora, Indiana 47001  
**Permit Number:** F029-30559-00023  
**Reviewer:** Brian Williams

HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.0021	0.0012	0.075	1.8	0.0034
Potential Emission in tons/yr	0.00005	0.00003	0.00164	0.03942	0.00007

HAPs - Metals						
	Lead	Cadmium	Chromium	Manganese	Nickel	Total
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.00038	0.0021	
Potential Emission in tons/yr	0.00001	0.00002	0.00003	0.00001	0.00005	<b>0.041</b>

Methodology is the same as page 3.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations  
 Natural Gas Combustion Only  
 MM BTU/HR <100  
 Greenhouse Gas Emissions**

**Company Name:** Metallurgical Process Materials, LLC  
**Source Address:** 133 Franklin Street, Aurora, Indiana 47001  
**Permit Number:** F029-30559-00023  
**Reviewer:** Brian Williams

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	2,628	5.04E-02	4.82E-02
Summed Potential Emissions in tons/yr	2,628		
CO2e Total in tons/yr	2,644		

**Methodology**

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.  
 Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.  
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
 $Emission (tons/yr) = Throughput (MMCF/yr) \times Emission Factor (lb/MMCF) / 2,000 lb/ton$   
 $CO_2e (tons/yr) = CO_2 Potential Emission ton/yr \times CO_2 GWP (1) + CH_4 Potential Emission ton/yr \times CH_4 GWP (21)$   
 $+ N_2O Potential Emission ton/yr \times N_2O GWP (310).$



**Appendix A: Emissions Calculations  
 Natural Gas Combustion Only  
 MM BTU/HR <100**

**HAPs Emissions**

**Company Name:** Metallurgical Process Materials, LLC  
**Source Address:** 133 Franklin Street, Aurora, Indiana 47001  
**Permit Number:** F029-30559-00023  
**Reviewer:** Brian Williams

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 0.0021	Dichlorobenzene 0.0012	Formaldehyde 0.075	Hexane 1.8	Toluene 0.0034
Potential Emission in tons/yr	0.000004	0.000002	0.00014	0.00335	0.00001

HAPs - Metals						
Emission Factor in lb/MMcf	Lead 0.0005	Cadmium 0.0011	Chromium 0.0014	Manganese 0.00038	Nickel 0.0021	Total
Potential Emission in tons/yr	0.000001	0.000002	0.000003	0.000001	0.000004	<b>0.004</b>

Methodology is the same as page 5.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations**  
**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**Greenhouse Gas Emissions**

**Company Name:** Metallurgical Process Materials, LLC  
**Source Address:** 133 Franklin Street, Aurora, Indiana 47001  
**Permit Number:** F029-30559-00023  
**Reviewer:** Brian Williams

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	223	4.28E-03	4.10E-03
Summed Potential Emissions in tons/yr	223.4		
CO2e Total in tons/yr	224.7		

**Methodology**

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.  
 Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.  
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
 $\text{Emission (tons/yr)} = \text{Throughput (MMCF/yr)} \times \text{Emission Factor (lb/MMCF)} / 2,000 \text{ lb/ton}$   
 $\text{CO2e (tons/yr)} = \text{CO2 Potential Emission ton/yr} \times \text{CO2 GWP (1)} + \text{CH4 Potential Emission ton/yr} \times \text{CH4 GWP (21)} + \text{N2O Potential Emission ton/yr} \times \text{N2O GWP (310)}.$

**Appendix A: Emissions Calculations  
Summary of Emissions**

**Company Name: Metallurgical Process Materials, LLC  
Source Address: 133 Franklin Street, Aurora, Indiana 47001  
Permit Number: F029-30559-00023  
Reviewer: Brian Williams**

Unlimited Potential to Emit (tons/year)										
Process	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Single HAP
Storage Bin #1	41.30	41.30	41.30	0	0	0	0	0	0	0
Storage Bin #2	41.30	41.30	41.30	0	0	0	0	0	0	0
Storage Bin #3	41.30	41.30	41.30	0	0	0	0	0	0	0
Storage Bin #4	41.30	41.30	41.30	0	0	0	0	0	0	0
Storage Bin #5	41.30	41.30	41.30	0	0	0	0	0	0	0
Rotary Dryer*	3.05	3.17	3.17	0.013	2.19	0.12	1.84	2,643.99	0.041	0.039 Hexane
Storage Bin #9	41.30	41.30	41.30	0	0	0	0	0	0	0
Storage Bin #10	56.31	56.31	56.31	0	0	0	0	0	0	0
Storage Bin #12	12.39	12.39	12.39	0	0	0	0	0	0	0
Mixer	56.31	56.31	56.31	0	0	0	0	0	0	0
Load Out Bin #11	12.39	12.39	12.39	0	0	0	0	0	0	0
Load Out Bin #14	56.31	56.31	56.31	0	0	0	0	0	0	0
New Load Out Bin #15	12.39	12.39	12.39	0	0	0	0	0	0	0
Briquette Load Out Bin #13	163.84	163.84	163.84	0	0	0	0	0	0	0
Natural Gas Combustion Heaters	0.004	0.014	0.014	0.001	0.186	0.010	0.156	224.74	0.004	0.003 Hexane
<b>Total</b>	<b>620.78</b>	<b>620.91</b>	<b>620.91</b>	<b>0.01</b>	<b>2.38</b>	<b>0.13</b>	<b>2.00</b>	<b>2,868.73</b>	<b>0.04</b>	<b>0.04 Hexane</b>

\* Control device is integral to the process. Therefore, potential to emit was determined after control.

Limited Potential to Emit (tons/year)										
Process	PM*	PM10**	PM2.5**	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Single HAP
Storage Bin #1	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #2	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #3	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #4	0.62	1.05	1.05	0	0	0	0	0	0	0
Storage Bin #5	0.62	1.05	1.05	0	0	0	0	0	0	0
Rotary Dryer	9.01	54.75	54.75	0.013	2.19	0.12	1.84	2,643.99	0.041	0.039 Hexane
Storage Bin #9	0.62	2.50	2.50	0	0	0	0	0	0	0
Storage Bin #10	0.84	2.50	2.50	0	0	0	0	0	0	0
Storage Bin #12	0.19	2.50	2.50	0	0	0	0	0	0	0
Mixer	0.84	2.50	2.50	0	0	0	0	0	0	0
Load Out Bin #11	0.19	2.50	2.50	0	0	0	0	0	0	0
Load Out Bin #14	0.84	2.50	2.50	0	0	0	0	0	0	0
New Load Out Bin #15	0.19	2.50	2.50	0	0	0	0	0	0	0
Briquette Load Out Bin #13	4.92	13.14	13.14	0	0	0	0	0	0	0
Natural Gas Combustion Heaters	0.004	0.014	0.014	0.001	0.186	0.010	0.156	224.74	0.004	0.003 Hexane
<b>Total</b>	<b>20.74</b>	<b>90.68</b>	<b>90.68</b>	<b>0.014</b>	<b>2.38</b>	<b>0.13</b>	<b>2.00</b>	<b>2,868.73</b>	<b>0.045</b>	<b>0.04 Hexane</b>

\* PM emissions from the storage bins, rotary dryer, load out bins, and mixer have been limited to be equivalent to the allowable emissions under 326 IAC 6.1 1-2(a). Compliance with these limits also renders 326 IAC 2-2 (PSD) not applicable.

\*\* PM10 and PM2.5 emissions from the storage bins, rotary dryer, load out bins, and mixer have been limited to render the requirements of 326 IAC 2-7 (Title V) and 326 IAC 2-2 (PSD) not applicable.



# 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: Dennis Wheeland  
Metallurgical Process Materials, LLC  
Box 340  
Aurora, IN 47001

DATE: September 12, 2011

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

SUBJECT: Final Decision  
FESOP  
029-30559-00023

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

*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)

**September 12, 2011**

TO: Aurora Public Library

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

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

**Applicant Name: Metallurgical Process Materials, LLC**  
**Permit Number: 029-30559-00023**

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	DPABST 9/12/2011 Metallurgical Process Materials, LLC 029-30559-00023 (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		Dennis Wheeland Metallurgical Process Materials, LLC PO Box 340 Aurora IN 47001 (Source CAATS) (CONFIRM DELIVERY)										
2		Chester & Freda Sharp 246 Railroad Avenue Aurora IN 47001 (Affected Party)										
3		Bob & Jean Grizzell 101 Center Street Aurora IN 47001 (Affected Party)										
4		Ms. Virginia Waliung 101 Franklin Street Aurora IN 47001 (Affected Party)										
5		Tracy & Michelle Woodruff 306 Railroad Avenue Aurora IN 47001 (Affected Party)										
6		Ray & Debbie Bryant 165 Dixon Street Aurora IN 47001 (Affected Party)										
7		Ms. Jennifer Largent 248 Railroad Avenue Aurora IN 47001 (Affected Party)										
8		Mr. Charles Boggs 101 Indiana Avenue Aurora IN 47001 (Affected Party)										
9		James & Mary Jo King 167 Dixon Street Aurora IN 47001 (Affected Party)										
10		Wallace & Roberta Hall 136 Franklin Street Aurora IN 47001 (Affected Party)										
11		D. & Sandy Lowe 150 Franklin Street Aurora IN 47001 (Affected Party)										
12		Anthony & Angela Rigacci 124 Franklin Street Aurora IN 47001 (Affected Party)										
13		Mr. Jeremy Harding 121 Franklin Street Aurora IN 47001 (Affected Party)										
14		Mr. Ray Cornett 124 Franklin Street Aurora IN 47001 (Affected Party)										
15		Cecil & Mary Bradley 201 Forest Avenue Aurora IN 47001 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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# Mail Code 61-53

IDEM Staff	DPABST 9/12/2011 Metallurgical Process Materials, LLC 029-30559-00023 (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		Marie 202 Forest Avenue Aurora IN 47001 (Affected Party)										
2		Mr. Jerry Sebastian P.O. Box 293 Aurora IN 47001 (Affected Party)										
3		Brenda & David Davis 126 Dixon Street Aurora IN 47001 (Affected Party)										
4		Ms. Tiffany Cutshaw 126 Franklin Street Aurora IN 47001 (Affected Party)										
5		Joyce Hill 127 Franklin Street Aurora IN 47001 (Affected Party)										
6		Mr. Donald Lowe 407 Railroad Avenue Aurora IN 47001 (Affected Party)										
7		Michael & Monica Ramsey 9931 Old SR 56 Aurora IN 47001 (Affected Party)										
8		Aurora Public Library 414 Second St Aurora IN 47001-1384 (Library)										
9		Dearborn County Commissioner 215 B West High Street Lawrenceburg IN 47025 (Local Official)										
10		Dearborn County Health Department 215-b W. Hight St, County Admin Building Lawrenceburg IN 47025-1910 (Health Department)										
11		Mr. John Teaney P.O. Box 494 10837 Aurora IN 47001 (Affected Party)										
12		Robin & Vic Willoughby 311 Broadway Street Aurora IN 47001 (Affected Party)										
13		Aurora City Council and Mayors Office P.O. Box 158 Aurora IN 47001 (Local Official)										
14		James & Mary Hassett 7199 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)										
15		Nancy & William McDaniel 4600 Hartford PK # 98 Aurora IN 47001 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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1		Ken & Jackie 4685 E. Laughery Creek Road Aurora IN 47001 (Affected Party)									
2		Marlin M. Guss, Jr. 10400 Millstone Dr, P.O. Box 272 Aurora IN 47001 (Affected Party)									
3		Mrs. Shirley Greive 4412 E. Laughery Aurora IN 47001 (Affected Party)									
4		Ms. Patricia Huff 10095 Old SR 56 Aurora IN 47001 (Affected Party)									
5		Sam & Nancy Valone 3826 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)									
6		Peter & Jody Franklin 9212 Hawksridge Dr. Covington KY 41017-9136 (Affected Party)									
7		Mrs. Melanie Bushorn 4172 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)									
8		Candy & Bernie Tibbetts 302 Railroad Avenue Aurora IN 47001 (Affected Party)									
9		Jim Sechrest 144 Franklin St. Aurora IN 47001 (Affected Party)									
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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