



# 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: October 28, 2009

RE: Beemsterboer Slag Corporation / 127-28283-00116

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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 4-21.5-3-7 and IC 13-15-7-3 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 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-MOD.dot 12/3/07



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Mr. Michael Beemsterboer  
Beemsterboer Slag Corporation  
3411 Sheffield Avenue  
Hammond, Indiana 46237

October 28, 2009

Re: 127-28283-00116  
Minor Permit Modification to  
Part 70 No.: T127-27189-00116

Mr. Beemsterboer:

Beemsterboer Slag Corporation was issued a Part 70 Operating Permit T127-27189-00116 on May 18, 2009, for a stationary material processing facility, as a contractor to ArcelorMittal Burns Harbor LLC. A letter requesting changes to this permit was received on July 29, 2009. Pursuant to the provisions of 326 IAC 2-7-12, a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification permits additional materials to be processed at the pellet chipping plant, changes the throughput limit based on the worst-case material to be processed, and corrects some typographical errors.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Part 70 Operating Permit as modified.

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 Stephanie Wilkerson, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Stephanie Wilkerson or extension 4-5329, or dial (317) 234-5329 directly.

Sincerely,

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

Attachments  
Minor Source Modification  
Technical Support Document

sjw

cc: File - Porter County  
U.S. EPA, Region V  
Porter County Health Department  
IDEM Northwest Regional Office  
Compliance and Enforcement Branch



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**Part 70 Operating Permit  
OFFICE OF AIR QUALITY**

**Beemsterboer Slag Corp.,  
a contractor of ArcelorMittal Burns Harbor LLC  
250 West Highway 12  
Burns Harbor, Indiana 46304**

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

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 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-2 and 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T127-27189-00116	
Issued by: Original Signed by: Donald F. Robin	Issuance Date: May 18, 2009
Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Expiration Date: May 18, 2014

Minor Permit Modification No. 127-28283-00116		Pages affected: Entire permit
Issued by: 	Issuance Date: October 28, 2009	
Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: May 18, 2014	

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.3, and A.4 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 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary material processing operation.

Source Address:	250 West Highway 12, Burns Harbor, Indiana 46304
Mailing Address:	3411 Sheffield Avenue, Hammond, IN 46327
General Source Phone Number:	(219)931-7462
SIC Code:	1422
County Location:	Porter
Source Location Status:	Nonattainment for 8-hour ozone standard Nonattainment for PM <sub>2.5</sub> standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Emission Offset Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

### A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

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Beemsterboer Slag Corp., operates a material processing operation and is a contractor of ArcelorMittal Burns Harbor LLC:

- (a) ArcelorMittal Burns Harbor LLC, the primary operation, is located at 250 West U.S. Highway 12, Burns Harbor, Indiana; and
- (b) Beemsterboer Slag Corp., the supporting operation, is located at 250 West U.S. Highway 12, Burns Harbor, Indiana.

IDEM has determined that ArcelorMittal Burns Harbor LLC and Beemsterboer Slag Corp. are under the common control of ArcelorMittal Burns Harbor LLC, and therefore, will be considered one source, as defined by 326 IAC 2-7-1(22), based on this contractual control. Therefore, the term "source" in the Part 70 documents refers to both ArcelorMittal Burns Harbor LLC and Beemsterboer Slag Corp. as one source.

Separate Part 70 Operating permits will be issued to ArcelorMittal Burns Harbor LLC and Beemsterboer Slag Corp. solely for administrative purposes.

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

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

- (a) One (1) material processing operation, approved for construction in 2009, with a maximum capacity of 300 tons per hour, using wet suppression as control, and consisting of the following:
  - (1) Five (5) feeders, identified as BHCF02 through BHCF06.

- (2) Four (4) crushers, identified as BHCR01 through BHCR04.
- (3) Twelve (12) conveyors, identified as BHCS01 through BHCS07 and BHCS11 through BHCS15.
- (4) Ten (10) shuttle conveyors, identified as BSH01 through BSH10.
- (5) Two (2) magnets, identified as BHMG01 and BHMG02.
- (6) One (1) pug mill, identified as BHPG01.
- (7) Five (5) screens, identified as BHSP01 through BHSP05.
- (8) One (1) diesel generator, identified as BHGS01, with a maximum capacity of 250 hp. Purchased on June 1, 1980.
- (9) One (1) diesel generator, identified as BHGS02, with a maximum capacity of 150 hp. Purchased on October 3, 1980.
- (10) One (1) diesel generator, identified as BHGS03, with a maximum capacity of 175 hp. Purchased on November 18, 1980.
- (11) One (1) diesel generator, identified as BHGS04, with a maximum capacity of 200 hp. Purchased on September 19, 1981.
- (12) One (1) diesel generator, identified as BHGS05, with a maximum capacity of 275 hp. Purchased on November 1, 1984.
- (13) One (1) diesel generator, identified as BHGS06, with a maximum capacity of 480 hp. Purchased on September 22, 2000.
- (14) One (1) diesel generator, identified as BHGS07, with a maximum capacity of 450 hp. Purchased on March 29, 2004.
- (15) One (1) diesel generator, identified as BHGS08, with a maximum capacity of 300 hp. Purchased on June 2, 2005.
- (16) Associated storage piles, loading and unloading, and vehicle emissions.

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source has the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Combustion related activities, including the following:
  - (1) Space heaters, process heaters, heat treat furnaces, or boilers using the following fuels:
    - (A) Propane or liquified petroleum gas or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

- (2) Equipment powered by diesel fuel fired or natural gas fired internal combustion engines of capacity equal to or less than five hundred thousand (500,000) British thermal units per hour except where total capacity of equipment operated by one (1) stationary source as defined by subdivision (38) exceeds two million (2,000,000) British thermal units per hour.
- (b) Fuel dispensing activities, including the following:
  - (1) A petroleum fuel other than gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less.
- (c) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.
  - (2) Vessels storing the following:
    - (A) Lubricating oils.
    - (B) Hydraulic oils.
- (d) Equipment used exclusively for the following:
  - (1) Filling drums, pails, or other packaging containers with the following:
    - (A) Lubricating oils.
- (e) Production related activities, including the following:
  - (1) Application of:
    - (A) greases.
  - (2) The following equipment related to manufacturing activities not resulting in the emission of HAPs:
    - (A) Brazing.
    - (B) Cutting torches.
    - (C) Soldering.
    - (D) Welding.
- (f) Activities associated with emergencies, including the following:
  - (1) Emergency generators as follows:
    - (A) Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

**A.5 Part 70 Permit Applicability [326 IAC 2-7-2]**

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

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

**SECTION B GENERAL CONDITIONS**

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

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

**B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]**

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- (a) This permit, T127-27189-00116, 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, including any permit shield provided in 326 IAC 2-7-15, 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 2-7-7] [IC 13-17-12]**

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

**B.5 Severability [326 IAC 2-7-5(5)]**

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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 2-7-5(6)(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 2-7-5(6)(E)]**

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible

official" as defined by 326 IAC 2-7-1(34). 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 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (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 the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (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 April 15 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

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (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 2-7-5(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 the "responsible official" as defined by 326 IAC 2-7-1(34).

**B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management  
Compliance 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.11 Emergency Provisions [326 IAC 2-7-16]**

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (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, and Northwest Regional Office 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  
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.
  - (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 2-7-5(3)(C)(ii) and must contain the following:
    - (A) A description of the emergency;
    - (B) Any steps taken to mitigate the emissions; and
    - (C) Corrective actions taken.The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
  - (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 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
  - (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
  - (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T127-27189-00116 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (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 Data Section, 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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

**B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination**  
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

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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 Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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 2-7-9(a)(3)]
- (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 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(c)]

**B.17 Permit Renewal** [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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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 2-7-4. 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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 2-7 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 Modification [326 IAC 2-7-11][326 IAC 2-7-12]**

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

**B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]**

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- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

**B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) 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 preconstruction approval required by 326 IAC 2-7-10.5 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 2-7-20(b),(c), or (e). 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 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (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 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at 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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(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 2-7-5(9). 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.21 Source Modification Requirement [326 IAC 2-7-10.5]**

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- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 and/or 326 IAC 2-3.

**B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]**

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

- (a) Enter upon the Permittee's premises where a Part 70 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 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 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 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.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][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) Except as provided in 326 IAC 2-7-19(e), 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.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(1)]

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

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

C.2 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]

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]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A. The provisions of 326 IAC 6-5 are not federally enforceable.

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

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. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

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

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

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

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- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

#### C.11 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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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 or ninety (90) days of initial start-up, whichever is later. 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification 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 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5][326 IAC 2-7-6]**

**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 180 days from the date on which this source commences operation.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-5(12)] [40 CFR 68]

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 2-7-5] [326 IAC 2-7-6]

- (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; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall 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 2-7-5][326 IAC 2-7-6]**

- (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 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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

**C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]**

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
  - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]  
[326 IAC 2-2][326 IAC 2-3]

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
- (i) Baseline actual emissions;
- (ii) Projected actual emissions;
- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

- (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
- (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]  
[326 IAC 2-2][326 IAC 2-3]

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- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

- (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

- (h) 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.21 Compliance with 40 CFR 82 and 326 IAC 22-1**

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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 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) material processing operation, approved for construction in 2009, with a maximum capacity of 300 tons per hour, using wet suppression as control, and consisting of the following:
  - (1) Five (5) feeders, identified as BHCF02 through BHCF06.
  - (2) Four (4) crushers, identified as BHCR01 through BHCR04.
  - (3) Twelve (12) conveyors, identified as BHCS01 through BHCS07 and BHCS11 through BHCS15.
  - (4) Ten (10) shuttle conveyors, identified as BSH01 through BSH10.
  - (5) Two (2) magnets, identified as BHMG01 and BHMG02.
  - (6) One (1) pug mill, identified as BHPG01.
  - (7) Five (5) screens, identified as BHSP01 through BHSP05.
  - (8) One (1) diesel generator, identified as BHGS01, with a maximum capacity of 250 hp.
  - (9) One (1) diesel generator, identified as BHGS02, with a maximum capacity of 150 hp.
  - (10) One (1) diesel generator, identified as BHGS03, with a maximum capacity of 175 hp.
  - (11) One (1) diesel generator, identified as BHGS04, with a maximum capacity of 200 hp.
  - (12) One (1) diesel generator, identified as BHGS05, with a maximum capacity of 275 hp.
  - (13) One (1) diesel generator, identified as BHGS06, with a maximum capacity of 480 hp.
  - (14) One (1) diesel generator, identified as BHGS07, with a maximum capacity of 450 hp.
  - (15) One (1) diesel generator, identified as BHGS08, with a maximum capacity of 300 hp.
  - (16) Associated storage piles, loading and unloading, and vehicle emissions.

### Insignificant Activities

- (a) Combustion related activities, including the following:
  - (1) Space heaters, process heaters, heat treat furnaces, or boilers using the

following fuels:

- (A) Propane or liquefied petroleum gas or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
- (2) Equipment powered by diesel fuel fired or natural gas fired internal combustion engines of capacity equal to or less than five hundred thousand (500,000) British thermal units per hour except where total capacity of equipment operated by one (1) stationary source as defined by subdivision (38) exceeds two million (2,000,000) British thermal units per hour.
- (f) Activities associated with emergencies, including the following:
  - (1) Emergency generators as follows:
    - (A) Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

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

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

#### D.1.1 PSD, Nonattainment NSR, and Emission Offset Minor Limit [326 IAC 2-2][326 IAC 2-1.1-5] [326 IAC 2-3]

The Permittee shall comply with the following:

- (a) The total amount of material processed shall not exceed 806,796 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The total diesel fuel oil usage at Diesel Generator BHGS01 through BHGS08 shall be limited to less than 116,986.94 gallons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.

Compliance with these limitations will ensure that the potential to emit from this modification is less than twenty-five (25) tons of PM per year, less than fifteen (15) tons of PM<sub>10</sub> per year, less than ten (10) tons of PM<sub>2.5</sub> per year, less than forty (40) tons per year of NO<sub>x</sub>, and less than twenty-five (25) tons per year of VOC. Therefore, the requirements of 326 IAC 2-2 (PSD), 326 IAC 2-1.1-5 (Nonattainment NSR), and 326 IAC 2-3 (Emission Offset) are rendered not applicable.

#### D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from all new units shall be limited as shown in the table below.

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

<b>Summary of Process Weight Rate Limits</b>		
<b>Process / Emission Unit</b>	<b>P (ton/hr)</b>	<b>E (lb/hr)</b>
Feeder - BHCF02	300	63
Feeder - BHCF03	300	63
Feeder - BHCF04	300	63
Feeder - BHCF05	300	63
Feeder - BHCF06	300	63
Crusher - BHCR01	300	63
Crusher - BHCR02	300	63
Crusher - BHCR03	300	63
Crusher - BHCR04	300	63
Conveyor - BHCS01	300	63
Conveyor - BHCS02	300	63
Conveyor - BHCS03	300	63
Conveyor - BHCS04	300	63
Conveyor - BHCS05	300	63
Conveyor - BHCS06	300	63
Conveyor - BHCS07	300	63
Conveyor - BHCS11	300	63
Conveyor - BHCS12	300	63
Conveyor - BHCS13	300	63
Conveyor - BHCS14	300	63
Conveyor - BHCS15	300	63
Shuttle Conveyor - BSH01	300	63
Shuttle Conveyor - BSH02	300	63
Shuttle Conveyor - BSH03	300	63
Shuttle Conveyor - BSH04	300	63
Shuttle Conveyor - BSH05	300	63
Shuttle Conveyor - BSH06	300	63
Shuttle Conveyor - BSH07	300	63
Shuttle Conveyor - BSH08	300	63
Shuttle Conveyor - BSH09	300	63
Shuttle Conveyor - BSH10	300	63
Magnet - BHMG01	300	63
Magnet - BHMG02	300	63
Pug Mill - BHPG01	300	63
Screen - BHSP01	300	63
Screen - BHSP02	300	63
Screen - BHSP03	300	63
Screen - BHSP04	300	63
Screen - BHSP05	300	63

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**D.1.3 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]**

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan found in Attachment A.

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

Pursuant to 326 IAC 2-7-5(13), a Preventive Maintenance Plan, is required for these emission units.

**Compliance Determination Requirements**

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**D.1.5 Particulate Control**

When the feeders, crushers, conveyors, shuttle conveyors, pug mill, or screens are in operation, the Permittee shall apply water or dust suppressant in a manner and at a frequency sufficient to ensure compliance with Conditions D.1.1 and D.1.2. If weather conditions preclude the use of wet suppression (as defined in the Permittee's Fugitive Dust Control Plan), the Permittee shall perform chemical analysis on the material processed to ensure it has a moisture content greater than 1.5 percent of the process stream by weight. The sample shall be taken after the pellets go through the crusher. The Permittee shall use the ASTM method for moisture content analysis or submit to IDEM OAQ the method for moisture content analysis for approval.

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

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**D.1.6 Visible Emissions Notations**

- (a) Visible emissions notations of the exhausts from the feeders, crushers, conveyor transfer points, shuttle conveyor transfer points, pug mill, and screens shall be performed once per day during normal daylight operations. A trained employee will 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 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.

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

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**D.1.7 Record Keeping Requirements**

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records at the plant of the materials input monthly.
- (b) To document compliance with Condition D.1.1, the Permittee shall maintain records at the plant of the diesel fuel oil usage monthly.

- (c) To document compliance with Condition D.1.5, the Permittee shall maintain records of the chemical analysis of the material processed, as needed, to demonstrate compliance during times the wet suppression is not used due to weather.
- (d) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the process emission points. 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).
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

#### D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Beemsterboer Slag Corp., a contractor of ArcelorMittal Burns Harbor LLC  
Source Address: 250 West Highway 12, Burns Harbor, Indiana 46304  
Mailing Address: 3411 Sheffield Avenue, Hammond, IN 46320  
Part 70 Permit No.: T127-27189-00116

**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:

Phone:

Date:

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

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Beemsterboer Slag Corp., a contractor of ArcelorMittal Burns Harbor LLC  
Source Address: 250 West Highway 12, Burns Harbor, Indiana 46304  
Mailing Address: 3411 Sheffield Avenue, Hammond, IN 46320  
Part 70 Permit No.: T127-27189-00116

**This form consists of 2 pages**

**Page 1 of 2**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  - 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.

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
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 AND ENFORCEMENT BRANCH**

**Part 70 Quarterly Report**

Source Name: Beemsterboer Slag Corp., a contractor of ArcelorMittal Burns Harbor LLC  
 Source Address: 250 West Highway 12, Burns Harbor, Indiana 46304  
 Mailing Address: 3411 Sheffield Avenue, Hammond, IN 46320  
 Part 70 Permit No.: T127-27189-00116  
 Facility: Material Processing Operation  
 Parameter: Processed material throughput  
 Limit: The total amount of material processed shall not exceed 806,796 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER:

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.  
 Deviation has been reported on:

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**Part 70 Quarterly Report**

Source Name: Beemsterboer Slag Corp., a contractor of ArcelorMittal Burns Harbor LLC  
 Source Address: 250 West Highway 12, Burns Harbor, Indiana 46304  
 Mailing Address: 3411 Sheffield Avenue, Hammond, IN 46320  
 Part 70 Permit No.: T127-27189-00116  
 Facility: Beemsterboer Sag Corp.'s material processing operation  
 Parameter: Diesel fuel usage  
 Limit: The total diesel fuel oil usage at Diesel Generator BHGS01 through BHGS08 shall be limited to less than 116,986.94 gallons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.

QUARTER:

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.  
 Deviation has been reported on:

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE AND ENFORCEMENT BRANCH  
 PART 70 OPERATING PERMIT  
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Beemsterboer Slag Corp., a contractor of ArcelorMittal Burns Harbor LLC  
 Source Address: 250 West Highway 12, Burns Harbor, Indiana 46304  
 Mailing Address: 3411 Sheffield Avenue, Hammond, IN 46320  
 Part 70 Permit No.: T127-27189-00116

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

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".	
<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 (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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.

**BEEEMSTERBOER SLAG CORP.  
PELLET CHIP PROCESSING FACILITY  
A CONTRACTOR OF ARCELORMITTAL – BURNS  
HARBOR, INDIANA**

**FUGITIVE DUST CONTROL PLAN  
326 IAC 6-5-5**

**REVISION 0**

**January 2009**

Prepared by:  
OCS Environmental, Inc.  
130 Lincoln Street, Ste. 1  
Porter, IN 46304  
(219) 983-1400

**Fugitive Dust Control Plan**  
**Beemsterboer, a contractor of ArcelorMittal Burns Harbor**  
**Burns Harbor, IN**

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- Figure 1      Site Map
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**Appendices (kept in onsite plan only)**

- Appendix A    Sample calculations for Fugitive PM Roadway Emissions (see site copy)
- Appendix B    Sample Documentation Log (see site copy)

**Fugitive Dust Control Plan**  
**Beemsterboer, a contractor of ArcelorMittal Burns Harbor**  
**Burns Harbor, IN**

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**Introduction and Facility Description [326 IAC 6-5-5 (a)(1)&(2)]**

This Fugitive Dust Control Plan is written in accordance with 326 IAC 6-5-5. This source is located in Porter County, Indiana. Beemsterboer owns and operates an iron ore pellet chip processing facility located within the ArcelorMittal Burns Harbor Works facility in Burns Harbor, Indiana. ArcelorMittal Burns Harbor Works is a fully integrated steelmaking and finishing facility. Even though the two facilities are considered to be one source due to contractual control, Beemsterboer operates under its own Part 70 permit. The operating manager of this facility is responsible for the execution of this plan.

**Roadways and Parking Lots [326 IAC 6-5-5 (a)(3)&(5)]**

All roadways that are under control of the Beemsterboer facility are approximately 30 feet wide with varying lengths. Figure 1 shows the approximate location and designation of each roadway. Trucks and front-end loaders are utilized for transportation of materials throughout the facility. Employee passenger vehicles and passenger trucks will be parked at the facility in makeshift unpaved parking areas. Appendix A provides a sample of the potential PM<sub>10</sub> emission calculations taken from the facility's permit application.

**Storage Piles [326 IAC 6-5-5 (a)(3)&(7)]**

The bulk of the feed materials are stored in the blast furnace ore yards which is owned and operated by ArcelorMittal. Feed materials are brought to the Beemsterboer site as needed and are stored in various locations onsite and will move within a general area throughout the year. Product materials are stored in various locations on the facility site and product pile locations will move within a general area throughout the year. Figure 1 shows the general locations of these storage areas. Front-end loaders and stacking conveyors are used to load onto and load out of the storage piles. The moisture content of all materials stored on site is on average 2.2% moisture in accordance with AP-42 13.2.4-1 (pellet ore) and greatly depends on atmospheric precipitation throughout the year. Beemsterboer has a limited production throughput as stated in their Part 70 Permit.

**Fugitive Dust Control Plan**  
**Beemsterboer, a contractor of ArcelorMittal Burns Harbor**  
**Burns Harbor, IN**

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**Material Process Flow [326 IAC 6-5-5 (a)(3)&(6)]**

In this process, iron ore pellets are moved through a series of crushers and screens via conveyor system. Iron ore pellets are size-reduced into pellet chips for use in the Sinter Plant blend material. Water sprays or watering trucks are utilized in the plant which provides 90% control efficiency. Figure 2 provides a process flow diagram which was provided in the facility's permit application.

**Control Measures and Practices [326 IAC 6-5-5 (a)(8)&(9)]**

Control measures utilized to control dust have limited application in fugitive sources. This section details measures to be used in the facility to control fugitive emissions. Since water application will be the control measure utilized, application will be suspended based on weather events as follows:

- during periods of precipitation
- when temperatures are at or below freezing
- when ice or snow cover is present.

If chemical application is utilized at some future date, the same weather restrictions will apply. The phrase "weather permitting" used in the following paragraphs herein designates the suspension of control application during the weather events listed above. Additionally, daily visible emission notations will be conducted to monitor fugitive emissions.

I. Site Roadways / Plant Yard

Dust on unpaved roads will be controlled by applications of water (an acceptable chemical compound may be used in the future) during operating hours, weather permitting. There are no paved roadways in this facility. Applications of dust control material will be done as often as necessary to meet applicable limits.

II. Process Operations

To help minimize dust emissions, the drop distance at each conveyor transfer point in the plant will be set at the minimum distance in which the equipment can operate effectively. Water application will be utilized, when needed and weather permitting, at strategic

**Fugitive Dust Control Plan**  
**Beemsterboer, a contractor of ArcelorMittal Burns Harbor**  
**Burns Harbor, IN**

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locations throughout the plant to control dust emissions. During water application, caution must be taken to avoid saturating the material which results in blinding the screens or crushers.

III. Storage Piles

To reduce potential dust emissions, stockpiling will be performed at minimum drop distances, to the extent practicable. Product storage piles are watered on an as needed basis during operating hours, weather permitting.

IV. Loading and Transfer; Trucks and Front-End Loaders

Trucks will be loaded in a manner to reduce or prevent materials from blowing or otherwise escaping. This may be accomplished by loading the vehicle with the center of gravity for the load at a safe distance below the top of the sideboard. Drop heights for front-end loader buckets will be held within a few feet above the sideboard of the truck during loading.

**Schedule of Compliance [326 IAC 6-5-5 (a)(11)]**

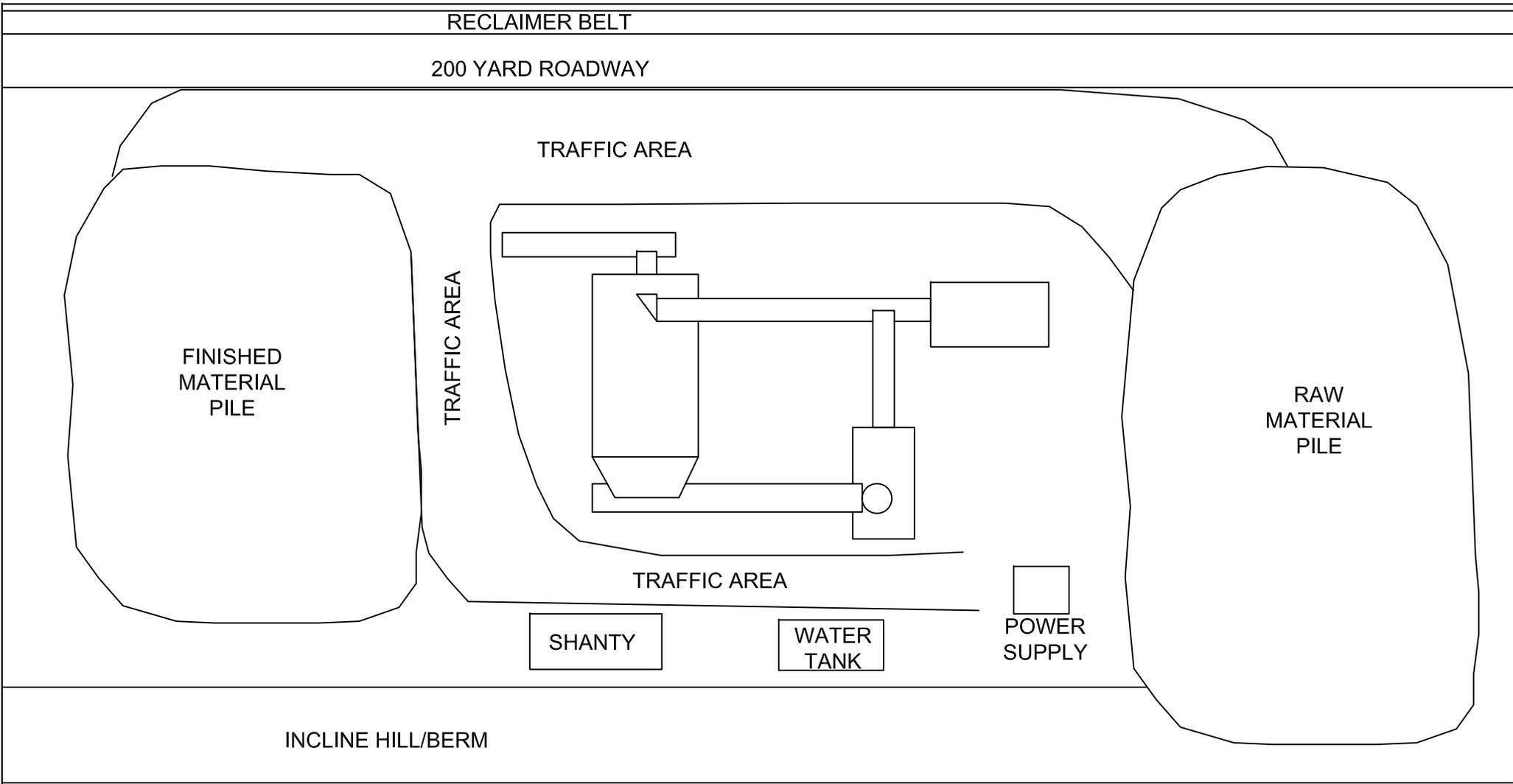
Within 60 days of start up of the facility, Beemsterboer will implement the provisions of this control plan. This plan will be revised if the as-built facility is different from Revision 0 of the plan which is included in the Part 70 Permit. Any revision to this plan requires an administrative amendment to the Part 70 Permit.

**Documentation and Record Keeping [326 IAC 6-5-5 (b)]**

Records will be maintained to document control measures and activities in accordance with this plan. These records may be kept as part of the facility's daily maintenance logs. These records will be available upon the request of the commissioner and shall be retained for five (5) years.

# **FIGURES**

FIGURE 1 - SITE LAYOUT



 <b>OCS Environmental, Inc.</b> 130 Lincoln Street, Suite 1 Porter, Indiana 46304 Phone - (219) 983-1400 Fax - (219) 983-1414		BEEMSTERBOER SLAG CORP ARCELORMITTAL BURNS HARBOR FACILITY FUGITIVE DUST CONTROL PLAN SITE LAYOUT	
		DRAWN: SSG CHECKED: MB SD: BEEM08001	SCALE: NOT TO SCALE FILE:



Emissions Summary, Actual to Projected Actual, and Hybrid Test

Potential to Emit of New Units (TPY)							
Process	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	VOC	NO <sub>x</sub>	CO
Material Processing	342.43	124.09	124.09	-	-	-	-
Generators	21.67	21.67	21.67	20.27	25.17	308.28	66.41
Insignificant Activities	4.56	4.56	4.56	1.00	1.00	4.56	1.00
<b>Total</b>	<b>368.66</b>	<b>150.32</b>	<b>150.32</b>	<b>21.27</b>	<b>26.17</b>	<b>312.84</b>	<b>67.41</b>

Controlled / Limited Potential to Emit of New Units (TPY)							
Process	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	VOC	NO <sub>x</sub>	CO
Material Processing	8.90	2.72	0.34	-	-	-	-
Generators	2.48	2.48	2.48	2.32	2.88	35.34	7.61
Insignificant Activities	4.56	4.56	4.56	1.00	1.00	4.56	1.00
<b>Total</b>	<b>15.94</b>	<b>9.76</b>	<b>7.38</b>	<b>3.32</b>	<b>3.88</b>	<b>39.90</b>	<b>8.61</b>

Actual to Projected Actual (ATPA) - Loading/Unloading, Storage Piles, and Roadway (TPY)			
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Baseline	47.40	11.05	1.46
Projected Actuals	35.92	13.75	1.85
<b>Emissions Increase</b>	<b>&lt;0</b>	<b>2.70</b>	<b>&lt;0</b>

Hybrid Test (TPY)							
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	VOC	NO <sub>x</sub>	CO
Total Emissions Increases from ATPA	<0	2.70	<0	-	-	-	-
Total Controlled / Limited PTE New Units	15.94	9.76	7.38	3.32	3.88	39.90	8.61
<b>Hybrid Test Emissions Increase PSD, Emission Offset, and Nonattainment NSR Significant Threshold</b>	<b>25</b>	<b>15</b>	<b>10</b>	<b>40</b>	<b>25</b>	<b>40</b>	<b>100</b>

Baseline Throughput (tons/yr), from ArcelorMittal*	721,657	
Future Throughput (tons/yr), for Beemsterboer	806,796	<===== limited throughput (tons material)

Unit	Baseline Capacity (tph)	Future Capacity (tph)
BHCF02 Feeder		300
BHCF03 Feeder		300
BHCF04 Feeder		300
BHCF05 Feeder		300
BHCF06 Feeder		300
BHCR01 Crusher		300
BHCR02 Crusher		300
BHCR03 Crusher		300
BHCR04 Crusher		300
BHCS01 Conveyor		300
BHCS02 Conveyor		300
BHCS03 Conveyor		300
BHCS04 Conveyor		300
BHCS05 Conveyor		300
BHCS06 Conveyor		300
BHCS07 Conveyor		300
BHCS11 Conveyor		300
BHCS12 Conveyor		300
BHCS13 Conveyor		300
BHCS14 Conveyor	0	300
BHCS15 Conveyor		500
BHSH01 Shuttle Conveyor		300
BHSH02 Shuttle Conveyor		300
BHSH03 Shuttle Conveyor		300
BHSH04 Shuttle Conveyor		300
BHSH05 Shuttle Conveyor		300
BHSH06 Shuttle Conveyor		300
BHSH07 Shuttle Conveyor		300
BHSH08 Shuttle Conveyor		300
BHSH09 Shuttle Conveyor		300
BHSH10 Shuttle Conveyor		300
BHMG01 Magnet		300
BHMG02 Magnet		300
BHPG01 Pug Mill		300
BHSP01 Screen		300
BHSP02 Screen		300
BHSP03 Screen		300
BHSP04 Screen		300
BHSP05 Screen		300

Unit	Baseline Capacity (hp)	Future Capacity (hp)
BHGS-01		250
BHGS-02		150
BHGS-03		175
BHGS-04		200
BHGS-05	0	40
BHGS-06		275
BHGS-07**		450
BHGS-08**		300

\*\*see "Generators" spreadsheet

Unit	Baseline Miles RT	Future Miles RT
Loaders (unpaved only)	0.25	0.25
Trucks (paved)	3	0
Trucks (unpaved)	1	1

\*Baseline data is derived from ArcelorMittal Sinter Plant blend throughput data.

Year	Tons
1999	2,560,275
2000	2,530,317
2001	1,843,659
2002	2,104,491
2003	3,471,054
2004	3,745,517
2005	2,227,386
2006	2,248,133
2007	2,681,501

Highest 24-Consecutive Month Period is 2003-2004

Year	Tons
2003	3,471,054
2004	3,745,517

Annualized Highest Production from 2003-2004

3,608,286 tons

Percentage of the Total Raw Sinter Plant Blend that is processed ore

20% of total sinter blend is processed ore

Past Actual for purposes of permitting Beemsterboer Sinter Blending Operation

**721,657 tons past actual processed ore**

**Baseline Emissions**

Unit	Throughput (tons/yr)	Uncontrolled EFs (lb/ton)			Control Efficiency	Emissions (tpy)		
		PM	PM <sub>10</sub>	PM <sub>2.5</sub>		PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Offsite material processing, only loading/unloading, storage piles & roadway emissions generated onsite						0.000	0.000	0.000
Loading-Unloading Operations*	721,657	0.00510	0.002413	0.000365	90%	0.184	0.087	0.013
Storage Piles**	721,657	**	**	**	90%	2.307	1.154	0.173
Roadways***	721,657	***	***	***	90%	44.907	9.809	1.274
<b>Total Emissions (tpy):</b>						<b>47.40</b>	<b>11.05</b>	<b>1.46</b>

**Control efficiencies applied to process and roadways:**

Wet Suppression Control Eff: 90%

\* Loading/Unloading Emission Calcs, see "Loading-Unloading" spreadsheet.

\*\* Storage Piles Emission Calcs, see "Storage Piles" spreadsheet.

\*\*\* Roadway Emission Calcs, see "Baseline Roads" spreadsheet.

**Methodology**

Emissions (tpy) = Throughput (tpy) \* Uncontrolled Emission Factor (lb/ton) \* 8760 (day/yr) / 2000 (lb/ton) \* (1 - % Control Efficiency)

Future=> Unit	Capacity (tph)	Limited Throughput (tons/yr)	Uncontrolled EFs (lb/ton)			Controlled Efs (lb/ton)			Uncontrolled Emissions (tpy)			Controlled Emissions (tpy)		
			PM	PM <sub>10</sub>	PM <sub>2.5</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
BHCF02 Feeder	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCF03 Feeder	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCF04 Feeder	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCF05 Feeder	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCF06 Feeder	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCR01 Crusher	300	806,796	0.0054	0.0024	0.0024	0.0012	0.0005	0.0001	7.096	3.154	3.154	0.484	0.218	0.040
BHCR02 Crusher	300	806,796	0.0054	0.0024	0.0024	0.0012	0.0005	0.0001	7.096	3.154	3.154	0.484	0.218	0.040
BHCR03 Crusher	300	806,796	0.0054	0.0024	0.0024	0.0012	0.0005	0.0001	7.096	3.154	3.154	0.484	0.218	0.040
BHCR04 Crusher	300	806,796	0.0054	0.0024	0.0024	0.0012	0.0005	0.0001	7.096	3.154	3.154	0.484	0.218	0.040
BHCS01 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS02 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS03 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS04 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS05 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS06 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS07 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS11 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS12 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS13 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS14 Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHCS15 Conveyor	500	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	6.570	2.409	2.409	0.056	0.002	0.002
BHSH01 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH02 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH03 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH04 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH05 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH06 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH07 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH08 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH09 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHSH10 Shuttle Conveyor	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHMG01 Magnet	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHMG02 Magnet	300	806,796	0.003	0.0011	0.0011	1.40E-04	4.60E-06	4.60E-06	3.942	1.445	1.445	0.056	0.002	0.002
BHPG01 Pug Mill	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
BHSP01 Screen	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
BHSP02 Screen	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
BHSP03 Screen	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
BHSP04 Screen	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
BHSP05 Screen	300	806,796	0.025	0.0087	0.0087	0.0022	7.40E-04	5.00E-05	32.850	11.432	11.432	0.887	0.299	0.020
<b>Total Emissions (tpy):</b>									<b>342.43</b>	<b>124.09</b>	<b>124.09</b>	<b>8.899</b>	<b>2.716</b>	<b>0.336</b>

**Methodology**

Emission Factors based on AP-42 Crushed Stone Processing Operations, 11.19.2, Table 11.19.2-2, Date 08/04  
 Uncontrolled Emissions (tpy) = Capacity (tph) \* Uncontrolled Emission Factor (lb/ton) \* 8760 (day/yr) / 2000 (lb/ton)  
 Controlled Emissions (tpy) = Throughput (tph) \* Controlled Emission Factor (lb/ton) \* 8760 (day/yr) / 2000 (lb/ton)

**UNPAVED ROADWAY EMISSIONS (trucks and loaders)**

Vehicle	Production (tons/yr)	Product Weight (tons per round trip)	Round Trips/yr	Miles per round trip	VMT/yr	Round Trips/hr	Round Trips/day
Trucks	721,657	22	33,565	1.00	33,565	4	92
Loaders	721,657	10	72,166	0.25	18,041	8	198

Vehicle	W = Mean Weight (tons)	PM2.5 Emission Factor <sup>2</sup> (lb/VMT)	PM10 Emission Factor <sup>2</sup> (lb/VMT)	PM Emission Factor <sup>2</sup> (lb/VMT)	VMT/yr	Uncontrolled PM2.5 Emissions (TPY)	Uncontrolled PM10 Emissions (TPY)	Uncontrolled PM Emissions (TPY)
Trucks	28	0.14	1.39	5.21	33,565	2.33	23.32	87.50
Loaders	48	0.18	1.76	6.59	18,041	1.58	15.84	59.42
						<b>3.92</b>	<b>39.16</b>	<b>146.93</b>

AP-42, 13.2.2 Eqn (1a), 11/06  
 $lb/VMT = k(s/12)^a \times (W/3)^b \times [(365-P)/365]$

Variable	PM Value	Source
k	4.9	Table 13.2.2-2
a	0.7	Table 13.2.2-2
b	0.45	Table 13.2.2-2
Variable	PM10 Value	Source
k	1.5	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
Variable	PM2.5 Value	Source
k	0.15	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
Variable	All	Source
s	6	%, Table 13.2.2-1
P	135	Figure 13.2.2-1

**PAVED ROADWAY EMISSIONS (trucks only)**

Vehicle	Production (tons/yr)	Product Weight (tons per round trip)	Round Trips/yr	Miles per round trip	VMT/yr	Round Trips/hr	Round Trips/day
Trucks	721,657	22	33,565	3.00	100,696	4	92

Vehicle	W = Mean Weight (tons)	PM2.5 Emission Factor <sup>2</sup> (lb/VMT)	PM10 Emission Factor <sup>2</sup> (lb/VMT)	PM Emission Factor <sup>2</sup> (lb/VMT)	VMT/yr	Uncontrolled PM2.5 Emissions (TPY)	Uncontrolled PM10 Emissions (TPY)	Uncontrolled PM Emissions (TPY)
Trucks	28	0.18	1.17	6.00	100,696	<b>8.83</b>	<b>58.94</b>	<b>302.14</b>

AP-42, 13.2.1, Eqn (1), 11/2006  
 $E = [k(sL/2)^{0.65} \times (W/3)^{1.5} - C] \times (1-P/4N)$

Variable	PM Value	Source
k	0.082	Table 13.2.1-1
C	0.00047	Table 13.2.1-2
Variable	PM10 Value	Source
k	0.016	Table 13.2.1-1
C	0.00047	Table 13.2.1-2
Variable	PM2.5 Value	Source
k	0.0024	Table 13.2.1-1
C	0.00036	Table 13.2.1-2
Variable	All	Source
sL	9.7	Table 13.2.1-4
P	135	Figure 13.2.1-2
N	365	

Assuming same types of trucks and loaders for baseline as future for roadway emissions.

**Methodology**

Uncontrolled Emissions (tpy) = Emission Factor (lb/VMT) \* VMT/yr / 2000 (lb/ton)

**UNPAVED ROADWAY EMISSIONS**

Vehicle	Production (tons/yr)	Product Weight (tons per round trip)	Round Trips/yr	Miles per round trip	VMT/yr	Round Trips/hr	Round Trips/day	Control Efficiency
Trucks	806,796	22	37,525	1.00	37,525	4	103	90%
Loaders	806,796	10	80,680	0.25	20,170	9	221	90%

Vehicle	Mean Weight (tons)	PM2.5 Emission Factor (lb/VMT)	PM10 Emission Factor (lb/VMT)	PM Emission Factor (lb/VMT)	VMT/yr	Uncontrolled PM2.5 Emissions (TPY)	Uncontrolled PM10 Emissions (TPY)	Uncontrolled PM Emissions (TPY)	Controlled PM2.5 Emissions (TPY)	Controlled PM10 Emissions (TPY)	Controlled PM Emissions (TPY)
Trucks	28	0.14	1.39	5.21	37,525	2.61	26.07	97.83	0.26	2.61	9.78
Loaders	48	0.18	1.76	6.59	20,170	1.77	17.70	66.43	0.18	1.77	6.64
						<b>4.38</b>	<b>43.77</b>	<b>164.26</b>	<b>0.44</b>	<b>4.38</b>	<b>16.43</b>

Variable	PM Value	Units
k	4.9	Table 13.2.2-2
a	0.7	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	mean vehicle weight (tons)
s	6	%, Table 13.2.2-1
P	135	Figure 13.2.2-1
Variable	PM10 Value	Units
k	1.5	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	mean vehicle weight (tons)
s	6	%, Table 13.2.2-1
P	135	Figure 13.2.2-1
Variable	PM2.5 Value	Units
k	0.15	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	mean vehicle weight (tons)
s	6	%, Table 13.2.2-1
P	135	Figure 13.2.2-1

AP-42, 13.2.2 Eqn (1a), 11/06  
 $lb/VMT = k \cdot (s/12)^a \cdot (W/3)^b \cdot [(365-P)/365]$

- 42.5 Loader tare weight
- 52.5 Loader full weight
- 17.5 Semi Trucks tare weight
- 39 Semi Trucks full weight

**Methodology**

Uncontrolled Emissions (tpy) = Emission Factor (lb/VMT) \* VMT/yr / 2000 (lb/ton)  
 Controlled Emissions (tpy) = Uncontrolled Emissions (tpy) \* (1 - % Control Efficiency)

**Baseline Emissions from Storage Piles**  
**AP-42, 13.2.4, Date 1/95**

$$\begin{aligned} E_f &= 1.7 \cdot (s/1.5)^3 \cdot (365-p) / 235 \cdot (f/15) \\ &= 4.77 \text{ lb of PM/acre/day} \\ &= 2.38 \text{ lb of PM}_{10}\text{/acre/day} \\ &= 0.36 \text{ lb of PM}_{2.5}\text{/acre/day} \end{aligned}$$

where s = 4.3 % silt content of material (using pellet ore value, table 13.2.4-1 AP-42)  
p = 135 days of rain greater than or equal to 0.01 inches  
f = 15 % of wind greater than or equal to 12 mph

$$E_p (\text{storage}) = E_f \cdot sc \cdot (40 \text{ cuft/ton}) / (2000 \text{ lb/ton}) / (43560 \text{ sqft/acre}) / (25 \text{ ft}) \cdot (365 \text{ day/yr})$$

where sc = 721,657 tons storage capacity  
= **23.07 tons PM/yr Uncontrolled**  
= **1.73 tons PM-2.5/yr Uncontrolled**  
= **11.54 tons PM-10/yr Uncontrolled**

90% control efficiency for wet suppression

= **2.31 tons PM/yr Controlled**  
= **0.17 tons PM-2.5/yr Controlled**  
= **1.15 tons PM-10/yr Controlled**

\*\*\*\*\*

**Future Emissions from Storage Piles**  
**AP-42, 13.2.4, Date 1/95**

$$\begin{aligned} E_f &= 1.7 \cdot (s/1.5)^3 \cdot (365-p) / 235 \cdot (f/15) \\ &= 10.54 \text{ lb of PM/acre/day} \\ &= 5.27 \text{ lb of PM}_{10}\text{/acre/day} \\ &= 0.79 \text{ lb of PM}_{2.5}\text{/acre/day} \end{aligned}$$

where s = 9.5 % silt content of material, see worst case material silt content in Material Data Tab  
p = 135 days of rain greater than or equal to 0.01 inches  
f = 15 % of wind greater than or equal to 12 mph

$$E_p (\text{storage}) = E_f \cdot sc \cdot (40 \text{ cuft/ton}) / (2000 \text{ lb/ton}) / (43560 \text{ sqft/acre}) / (25 \text{ ft}) \cdot (365 \text{ day/yr})$$

where sc = 806,796 tons storage capacity  
= **56.99 tons PM/yr Uncontrolled**  
= **4.27 tons PM-2.5/yr Uncontrolled**  
= **28.50 tons PM-10/yr Uncontrolled**

90% control efficiency for wet suppression

= **5.70 tons PM/yr Controlled**  
= **0.43 tons PM-2.5/yr Controlled**  
= **2.85 tons PM-10/yr Controlled**

\*\*\*\*\*

The equations are from AP-42, Fourth Edition, Section 11.2.3 (5/83).  
This section of AP-42 was been superceded with a revised version at Section 13.2.4.  
The revised Section 13.2.4 does not offer wind erosion estimation equations.

PM10 = 50% of PM per AP-42, page 13.2.5-3 (11/06)  
PM2.5 = 7.5% of PM per AP-42, page 13.2.5-3 (11/06)

**Baseline Emissions Loading & Unloading Operations**  
**AP-42 13.2.4, Drop Operations, January 1995**

$$E = k(0.0032) \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}$$

k =            PM10      PM2.5      PM

                  0.35        0.053      0.74

Where:

- E = emission factor (lb/tn)
- k = particle size multiplier (dimensionless)
- U = mean wind speed, miles per hour
- M = material moisture content (%)

10 mean wind speed, (mph)  
 2.2 %, mean moisture, Table 13.2.4-1, pellet ore

Emission Factors (lb/tn)		
PM10	PM2.5	PM
0.00241328	0.000365	0.005102358

Process	Throughput (tons/yr)	Uncontrolled Emissions (lb/ton)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM <sub>10</sub>	PM <sub>2.5</sub>		PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Loading-Unloading	721,657	1.84	0.87	0.13	90%	0.18	0.09	0.01

\*\*\*\*\*  
**Future Emissions Loading & Unloading Operations**  
**AP-42 13.2.4, Drop Operations, January 1995**

$$E = k(0.0032) \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}$$

k =            PM10      PM2.5      PM

                  0.35        0.053      0.74

Where:

- E = emission factor (lb/tn)
- k = particle size multiplier (dimensionless)
- U = mean wind speed, miles per hour
- M = material moisture content (%)

10 mean wind speed, mph  
 0.2 %, mean moisture, see worst case moisture in Material Data Tab

Emission Factors (lb/tn)		
PM10	PM2.5	PM
0.06927189	0.01049	0.146460561

Process	Throughput (tons/yr)	Uncontrolled Emissions (lb/ton)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM <sub>10</sub>	PM <sub>2.5</sub>		PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Loading-Unloading	1,884,276	137.99	65.26	9.88	90%	13.80	6.53	0.99

**Methodology**

Uncontrolled Emissions (tpy) = Throughput (tpy) \* Uncontrolled Emission Factor (lb/ton) \* 8760 (day/yr) / 2000 (lb/ton) \* (1 - % Control Efficiency)  
 Controlled Emissions (tpy) = Uncontrolled Emission (tpy) \* (1 - % Control Efficiency)

Baseline Generator Emissions =====> 0 (There were no generators onsite previously.)

Future Generator Potential to Emit											
Unit	Max Capacity (hp)	Max Capacity (mmbtu/hr)	Operating Hours/yr	Diesel Fuel Use (gal)	PM Emissions (tpy)	PM10 Emissions (tpy)	PM2.5 Emissions (tpy)	SO2 Emissions (tpy)	*NOx Emissions (tpy)	VOC Emissions (tpy)	CO Emissions (tpy)
BHGS-01	250	1.75	8760	105822	2.4	2.4	2.4	2.2	33.8	2.8	7.3
BHGS-02	150	1.05	8760	63493	1.4	1.4	1.4	1.3	20.3	1.7	4.4
BHGS-03	175	1.225	8760	74075	1.7	1.7	1.7	1.6	23.7	1.9	5.1
BHGS-04	200	1.4	8760	84658	1.9	1.9	1.9	1.8	27.0	2.2	5.8
BHGS-05	275	1.925	8760	116404	2.6	2.6	2.6	2.4	37.2	3.0	8.0
BHGS-06	480	3.36	8760	203178	4.6	4.6	4.6	4.3	64.9	5.3	14.0
BHGS-07	450	3.15	8760	190480	4.3	4.3	4.3	4.0	60.8	5.0	13.1
BHGS-08	300	2.1	8760	126986	2.9	2.9	2.9	2.7	40.6	3.3	8.7
<b>Total:</b>					<b>21.7</b>	<b>21.7</b>	<b>21.7</b>	<b>20.3</b>	<b>308.3</b>	<b>25.2</b>	<b>66.4</b>
<b>Limited Emissions:</b>					<b>2.5</b>	<b>2.5</b>	<b>2.5</b>	<b>2.3</b>	<b>35.3</b>	<b>2.9</b>	<b>7.6</b>

Emission Factors for Diesel-fired Generators with less than 600 Horsepower Capacity

Pollutant	EF (lb/mmbtu)	EF Source
PM	0.31	AP-42, 3.3-1
PM10	0.31	AP-42, 3.3-1
PM2.5	0.31	AP-42, 3.3-1
SO2	0.29	AP-42, 3.3-1
NOx	4.41	AP-42, 3.3-1
VOC	0.36	AP-42, 3.3-1
CO	0.95	AP-42, 3.3-1

7000 Btu/hp-hr  
 19300 BTU/lb, heating value for diesel fuel  
 0.9 specific gravity of diesel fuel  
 144865.8 BTU/gal, heating value for diesel fuel

**NO<sub>x</sub> diesel fuel limit calculation**

$$\begin{aligned}
 &19,972,800 \text{ hp-hr/yr}^* \quad 7,000 \text{ Btu/hr /} \quad 137,000 \text{ Btu per gallon of diesel} = \quad 1,020,508.03 \text{ gallons of diesel} = \quad 308.3 \text{ tons NO}_x \\
 &X \text{ gallons of diesel fuel /} \quad 1,020,508 \quad = \quad 35.34 \text{ tons of NO}_x \text{ per yr. /} \quad 308.3 \text{ tons of NO}_x \text{ per yr.} \\
 &308.3 \quad X = \quad 1,020,508 \quad * \quad 35.34 \quad = \quad 36,064,753.75 \\
 &X = \quad 116,986.94 \text{ gallons diesel fuel limit for NO}_x \text{ per year}
 \end{aligned}$$

Note - Limiting diesel fuel usage will ensure NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> emissions stay below significant thresholds.

$$\begin{aligned}
 \text{Limited Total Heat Input} &= \quad 116,986.94 \text{ gallons diesel fuel limit for NO}_x \text{ per year}^* \quad 137,000 \text{ Btu per gallon of diesel /} \quad 7,000 \text{ Btu/hr} = \quad 2,289,602 \text{ hp-hr/yr} \\
 \text{Total Limited Horsepower MMBtu/hr for limited PM, PM}_{10}, \text{PM}_{2.5} \text{ and NO}_x \text{ calculations} &= \quad 2,289,602 \text{ hp-hr/yr /} \quad 8760 = \quad 261.37 \text{ hp-hr} \\
 \text{Total Limited MMBtu/hr for limited PM, PM}_{10}, \text{PM}_{2.5} \text{ and NO}_x \text{ calculations} &= \quad 261.37 \text{ hp-hr}^* \quad 7000 \text{ Btu/hp-hr /} \quad 1,000,000 \text{ Btu/MMBtu} = \quad 1.83 \text{ MMBtu/hr}
 \end{aligned}$$

**Methodology**

Use a conversion factor of 7,000 Btu per hp-hr to convert from horsepower to Btu/hr, unless the source gives you a source-specific brake-specific fuel consumption. (AP-42, Footnote a, Table 3.3-1)

Emission Factors are from AP42 (Supplement B 10/96), Table 3.3-2

Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] \* 8760 hr/yr / (2,000 lb/ton)

Limited Emissions (ton/yr) = [Limited Total Heat Input Rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] \* 8760 hr/yr / (2,000 lb/ton)

\*PM emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

**Emission Factors**

**AP-42, 11.19.2, Table 11.19.2-2, Date 8/04  
 Crushed Stone Processing Operations**

Source Operation	Uncontrolled PM (lb/ton)	Uncontrolled PM-10 (lb/ton)	Uncontrolled PM-2.5 (lb/ton)	Controlled PM (lb/ton)	Controlled PM-10 (lb/ton)	Controlled PM-2.5 (lb/ton)
Primary Crushing (SCC 3-05-020-01)	ND	ND	ND	ND	ND	ND
Secondary Crushing (SCC 3-05-020-02)	ND	ND	ND	ND	ND	ND
Tertiary Crushing (SCC 3-05-020-03)	0.0054	0.0024	ND	0.0012	0.00054	0.0001
Screening (SCC 3-05-020-02, 03)	0.025	0.0087	ND	0.0022	0.000074	0.00005
Conveyer Transfer Point (SCC 3-05-020-06)	0.003	0.0011	ND	0.00014	0.0000046	ND

ND = no data.

**Diesel-fired Generators with less than 600 Horsepower Capacity  
 AP-42, Table 3.3-1, 10/1996**

Pollutant	EF (lb/hp-hr)	EF (lb/mmbtu)
CO	0.00668	0.95
NOx	0.031	4.41
SO2	0.00205	0.29
VOC	0.00247	0.36
PM10	0.0022	0.31
PM2.5	0.0022	0.31
PM	0.0022	0.31

Material	Moisture %	Silt %	
Brick	0.4	0.1	Beemsterboer lab data, ASTM method
Coke Breeze	7.8	4.9	Table 13.2.4-1, AP-42
Coke	3	4.9	Table 13.2.4-1, AP-42
Slag	0.92	5.3	Table 13.2.4-1, AP-42
Coal	4.8	4.6	Table 13.2.4-1, AP-42
Lump Ore	5.4	9.5	Table 13.2.4-1, AP-42
Pellet Ore	2.2	4.3	Table 13.2.4-1, AP-42
Limestone	0.2	1	Table 13.2.4-1, AP-42
Bauxite	10	6	Internet data from <a href="http://www.pbcoinc.com/hpbauxite.html">http://www.pbcoinc.com/hpbauxite.html</a>
Mill Scale	4	0.7	Using typical silt content for sinter given by Table 13.2.4-1, AP-42 and conservative moisture content given by operating personnel.

Worse Case Moisture: 0.2 %  
Worse Case Silt: 9.5 %



# 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: Micheal Beemsterboer  
Beemsterboer Slag Corporation  
3411 Sheffield Avenue  
Hammond, Indiana 46327

DATE: October 28, 2009

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

SUBJECT: Final Decision  
Part 70  
127-28283-00116

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.*  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

October 28, 2009

TO: Westchester Public Library

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

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

**Applicant Name: Beemsterboer Slag Corporation**  
**Permit Number: 127-28283-00116**

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

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

Enclosures  
Final Library.dot 11/30/07

# Mail Code 61-53

IDEM Staff	CDENNY 10/28/2009 Beemsterboer Slag Corp – 127-28283-00116 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Michael Beemsterboer Beemsterboer Slag Corp - a contractor of ArcelorMi 3411 Sheffield Ave Hammond IN 46327 (Source CAATS) <b>VIA CONFIRMED DELIVERY</b>										
2		Westchester Public Library 200 W Indiana Ave Chesterton IN 46304-3122 (Library)										
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
4		Porter County Board of Commissioners 155 Indiana Ave Valparaiso IN 46383 (Local Official)										
5		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 (Health Department)										
6		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
7		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 (Affected Party)										
8		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
9		Mr. Dee Morse National Park Service 12795 W Alameda Pky, P.O. Box 25287 Denver CO 80225-0287 (Affected Party)										
10		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 (Affected Party)										
11		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 (Affected Party)										
12		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
13		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)										
14		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)										
15		Susan Grenzebach OCS Environmental 130 Lincoln St. Porter IN 46304 (Consultant)										

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	CDENNY 10/28/2009 Beemsterboer Slag Corp – 127-28283-00116 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Joseph 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
2											
3											
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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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