INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of an Administrative Part 70 Operating Permit

for Beemsterboer Slag Corporation in Lake County

Operating Permit Renewal No. T089-33440-00537

The Indiana Department of Environmental Management (IDEM) has received an application from Beemsterboer Slag Corporation located at 3001 Dickey Road, East Chicago, Indiana for a renewal of its Administrative Part 70 Operating Permit No. T089-27146-00537 issued on April 16, 2009. If approved by IDEM's Office of Air Quality (OAQ), this proposed renewal would allow Beemsterboer Slag Corporation to continue to operate its existing source.

This draft Administrative Part 70 Operating Permit does not contain any new equipment that would emit air pollutants, and no conditions from previously issued permits or approvals have been changed.

A copy of the permit application and IDEM's preliminary findings are available at:

East Chicago Public Library
2401 East Columbus Drive
East Chicago, IN 46312

and

IDEM Northwest Regional Office
8380 Louisiana Street
Merrillville, IN 46410

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number T089-33440-00537 in all correspondence.

Comments should be sent to:

Donald McQuigg
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-4240
Or dial directly: (317) 234-4240
Fax: (317) 232-6749 attn: Donald McQuigg
E-mail: dmcquigg@idem.in.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor or noise. For such issues, please contact your local officials.

For additional information about air permits and how you can participate, please see IDEM's **Guide for Citizen Participation** and **Permit Guide** on the Internet at: www.idem.in.gov.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public files room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251 and IDEM Northwest Regional Office, 8380 Louisiana Street, Merrillville, IN 46410.

If you have any questions please contact Donald McQuigg of my staff at the above address.

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

CAW/dwm

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DRAFT

Administrative Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Beemsterboer Slag Corporation
3001 Dickey Road
East Chicago, Indiana 46312

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

The Permittee must comply with all conditions of this permit. Noncompliance with any 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.

Operation Permit No.: T089-33440-00537	
Issued by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

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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 through 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(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary sinter plant pre-blending operation.

Source Address:	3001 Dickey Road, East Chicago, Indiana 46312
General Source Phone Number:	(219) 931-7462
SIC Code:	3312
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, under PSD for GHG 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)]

The source, an integrated steel mill, includes the primary operation, ArcelorMittal USA, Inc. (Source ID 089-00316), at 3210 Watling Street, East Chicago, Indiana, collocated with the secondary operation, ArcelorMittal Indiana Harbor, LLC (Source ID 089-00318), at 3001 Dickey Road, East Chicago, Indiana, and onsite contractors:

	Company Name	Source ID	Operation Description
1	ArcelorMittal USA, Inc.	089-00316	Integrated steel mill
2	ArcelorMittal Indiana Harbor, LLC	089-00318	Integrated steel mill
	Onsite Contractors		
3	Beemsterboer Slag Corp.	089-00356	Slag crushing and sizing
4	Beemsterboer Slag Corp.	089-00537	Metallurgical coke screening
5	Cokenergy LLC	089-00383	Heated gas steam from coal carbonization
6	Edward C. Levy Co. Inc.	089-00339	Slag processing
7	Fritz Enterprises, Inc.	089-00465	Iron and steel recycling process and coke screening
8	Harsco Metals Americas	089-00358	Briquetting facility
9	Indiana Harbor Coke Company LP	089-00382	Heat recovery coal carbonization
10	Ironside Energy, LLC	089-00448	Industrial steam and electric power cogeneration
11	Lafarge North America	089-00458	Slag granulator and pelletizer
12	Mid-Continent Coal & Coke	089-00371	Metallurgical coke separation
13	Oil Technology, Inc.	089-00375	Used oil recycling
14	Oil Technology, Inc.	089-00369	Used oil recycling
15	Phoenix Services, LLC	089-00538	Slag and kish processing
16	Phoenix Services, LLC, dba Metal Services LLC	089-00536	Slag and kish processing

17	Tube City IMS	089-00353	Steel slab scarfer

A Part 70 permit has been issued to ArcelorMittal USA, Inc. (Source ID 089-00316). Separate Administrative Part 70 permits have been issued to ArcelorMittal Indiana Harbor, LLC (Source ID 089-00318), the secondary operation, and each of the onsite contractors, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) One (1) conveyor feeder, constructed in 2009, identified as CF-008, with a maximum capacity of 375 tons per hour;

(b) One (1) conveyor shuttle, constructed in 2009, identified as CS-021, with a maximum capacity of 375 tons per hour;

(c) One (1) conveyor stacker, constructed in 2009, identified as CS-046, with a maximum capacity of 375 tons per hour;

(d) One (1) screen, constructed in 2009, identified as SP-027, with a maximum capacity of 375 tons per hour;

(e) One (1) conveyor shuttle, constructed in 2009, identified as CS-035, with a maximum capacity of 375 tons per hour; and

(f) One (1) aggregate storage pile with a maximum pile capacity of 422,500 tons. [326 IAC 6.8-10] [326 IAC 6-4]

A.4 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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

(a) Unpaved roads and parking lots with public access. [326 IAC 6.8-10] [326 IAC 6-4]

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

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]

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)]

(a) This permit, T089-33440-00537, 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]

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]

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)]

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)]

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)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent 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(35).

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. All 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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) 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]

(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 or 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 and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553**.**

(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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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)(8) 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.

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 T089-33440-00537 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 permit, all previous registrations and permits are superseded by this 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 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]

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(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(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least 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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(a) No Part 70 permit revision or notice 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.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
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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)(1) and (c)(1). 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) and (c)(1).

(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(37)) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.23 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.24 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 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) 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.2 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.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

C.4 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.5 Fugitive Particulate Matter Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.

(d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.

(g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(h) Material processing facilities shall include the following:

(1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(2) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(3) The PM_{10} stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.

(5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).

(i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(j) Material transfer limits shall be as follows:

(1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.

(3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:

(A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.

(B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).

(k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.6 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. 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.7 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
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.8 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit

issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, 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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.11 Continuous Compliance Plan [326 IAC 6.8-8-1] [326 IAC 6.8-8-8]

(a) Pursuant to 326 IAC 326 IAC 6.8-8-1, the Permittee shall submit to IDEM and maintain at source a copy of the Continuous Compliance Plan (CCP). The Permittee shall perform the inspections, monitoring and record keeping in accordance with the information in 326 IAC 6.8-8-5 through 326 IAC 6.8-8-7 or applicable procedures in the CCP.

(b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy of any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP, if required to IDEM, OAQ within thirty (30) days of the update.

(c) Pursuant to 326 IAC 6.8-8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit update to a CCP is a violation of 326 IAC 6.8-8.

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

(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. The analog instrument shall be capable of measuring values outside of the normal range.

(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.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) 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.14 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.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

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

(e) The Permittee shall record the reasonable response steps taken.

C.16 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 submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(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. Support information includes the following, where applicable:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of

permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(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 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), 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.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

(c) 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) 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.

(e) 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 (oo) and/or 326 IAC 2-3-1 (jj)) 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 (ww) and/or 326 IAC 2-3-1 (pp), 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).

(f) The report for project at an existing emissions unit shall be submitted no later than 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 wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One conveyor feeder, constructed in 2009, identified as CF-008, with a maximum capacity of 375 tons per hour;

(b) One conveyor shuttle, constructed in 2009, identified as CS-021, with a maximum capacity of 375 tons per hour;

(c) One conveyor stacker, constructed in 2009, identified as CS-046, with a maximum capacity of 375 tons per hour;

(d) One screen, constructed in 2009, identified as SP-027, with a maximum capacity of 375 tons per hour;

(e) One conveyor shuttle, constructed in 2009, identified as CS-035, with a maximum capacity of 375 tons per hour; and

(f) One (1) aggregate storage pile with a maximum pile capacity of 422,500 tons. [326 IAC 6.8-10] [326 IAC 6-4]

Specifically Regulated Insignificant Activities:

(a) Unpaved roads and parking lots with public access. [326 IAC 6.8-10] [326 IAC 6-4]

(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 and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR):

(a) The total amount of aggregate processed shall not exceed 845,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The emissions from the sinter plant pre-blending operation shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed): transfer point for each feeder, shuttle, and stacker conveyor	Emission Limit (lb/ton of material processed): screen (SP-027)
PM	0.00014	0.0022
PM_{10}	4.6E-05	0.00074
$PM_{2.5}$	1.3E-05	5.0E-05

(c) Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the facility Fugitive Dust Control Plan (attachment A).

Compliance with these emission 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_{10} per year, and less than ten (10) tons of $PM_{2.5}$ per year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable.

D.1.2 Particulate Matter Less Than 10 Microns in Diameter (PM_{10}) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (Particulate Matter Limitations for Lake County), the following emission units shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf) of particulate matter less than ten (10) microns in diameter (PM_{10}):

Truck Loading & Unloading, Storage Piles, Transporting (Road Emissions), Conveyor Feeder (CF-008), Conveyor Shuttle (CS-021), Conveyor Stacker (CS-046), Screen (SP-027), Conveyor Shuttle (CS-035).

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

The Preventative Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.4 PM, PM_{10}, and $PM_{2.5}$ Control [326 IAC 2-2]

In order to ensure compliance with Conditions D.1.1 and D.1.2, the Permittee shall apply an initial application of water or a mixture of water and wetting agent to control the PM, PM_{10} and $PM_{2.5}$ emissions from the screen and the conveyors. The suppressant shall be applied 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, the Permittee shall perform a moisture analysis on the aggregate material to ensure it has a moisture content greater than 1.5 percent (1.5%) by weight. The Permittee shall submit to IDEM, OAQ the method for moisture content analysis for approval.

D.1.5 Lake County Fugitive Particulate Matter Control Requirements [326 IAC 6.8-10] [326 IAC 2-2]

Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan (FDCP) (included as Attachment A of this permit). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

Opacity from the activities shall be determined as follows:

(a) Paved Roads and Parking Lots
The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(b) Unpaved Roads and Parking
The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.

(c) Batch Transfer
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

(d) Continuous Transfer
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(e) Wind Erosion from Storage Piles
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(f) Wind Erosion from Exposed Areas
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.

(g) Material Transported by Truck or Rail
Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the in plant transportation requirement.

(h) Material Transported by Front End Loader or Skip Hoist
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(i) Material Processing Limitations
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipments shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

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

D.1.6 Visible Emissions Notations

(a) Visible emission notations of the slag screening and conveying emission points shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.7 Record Keeping Requirement

(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records at the plant of the monthly aggregate input.

(b) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of the moisture analysis of the aggregate material, as needed.

(c) To document the compliance status with Condition D.1.6, the Permittee shall maintain records of visible emission notations of the screen and the conveyor transfer points once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(d) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter):

The source shall keep the following documentation to show compliance with each of its control measures and control practices:

(1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.

(2) For each application of water or chemical solution to roadways, the following shall be recorded:

(A) The name and location of the roadway controlled;

(B) Application rate;

(C) Time of each application;

(D) Width of each application;

(E) Identification of each method of application;

(F) Total quantity of water or chemical used for each application;

(G) For each application of chemical solution, the concentration and identity of the chemical; and

(H) The material data safety sheets for each chemical.

(3) For application of physical or chemical control agents not covered by 326 IAC 6.8-10-1, the following:

(A) The name of the agent;

(B) Location of application;

(C) Application rate;

(D) Total quantity of agent used;

(E) If diluted, percent of concentration; and

(F) The material data safety sheets for each chemical.

(4) A log recording incidents when control measures were not used and a statement of explanation.

(5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.

(e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.8 Reporting Requirement

(a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), a quarterly report shall be submitted, stating the following:

(1) The dates any required control measures were not implemented.

(2) A listing of those control measures.

(3) The reasons that the control measures were not implemented.

(4) Any corrective action taken.

(b) A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted 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.

(c) Section C - General Reporting Requirements contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official,” as defined by 326 IAC 2-7-1(34).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Beemsterboer Slag Corporation
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-33440-00537

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 Corporation
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-33440-00537

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_2, VOC, NO_X, 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: _____

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

Part 70 Quarterly Report

Source Name: Beemsterboer Slag Corporation
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-33440-00537
Facility: Sinter Plant Pre-Blending Operation
Parameter: aggregate input
Limit: less than 845,000 tons 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: _____

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 Corporation
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-33440-00537

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, 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".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attachment A
to Administrative Part 70 Renewal Permit No. T089-33440-00537

Beemsterboer Slag Corporation
3001 Dickey Road
East Chicago, IN 46312

Interim Fugitive Dust Control Plan

Beemsterboer Material Handling and Processing Operations

For Sinter Plant at ArcelorMittal Indiana Harbor LLC.
3001 Dickey Road
East Chicago, Indiana 46312

Version 6/25/08

INTRODUCTION

This plan has been developed at the request of ArcelorMittal Indiana Harbor LLC's Environmental Department. This plan is designed to outline Beemsterboer's control and monitoring measures for fugitive dust.

Beemsterboer will review and update the plan as necessary and a final version of this plan will be submitted as part of their pending Part 70 Permit application and permit conditions, if required.

Beemsterboer will conduct pre-blending of raw materials for ArcelorMittal's Sinter operation. The pre-blending operation will be located approximately 0.5 miles west of the Sinter Plant. Beemsterboer is also consolidating pre-blending operations from other vendors which will also require blending the remaining inventories from the previous vendor operations.

Raw materials will be screened and processed through the plant by tonnage into layers and spread by PLC controlled telescoping conveyor. Each material will be weighed by a conveyor belt scale as it passes through the plant.

ROADS

Beemsterboer will be using plant roads which are covered under ArcelorMittal's fugitive dust plan requirements. However, for any roads that are not under control of ArcelorMittal's and are within the Beemsterboer operating areas, Beemsterboer will implement the following control measures:

1) Adhere to the plant speed limit of 20 mph on all paved roads and 10 mph on unpaved roads.
2) Roadways will be watered, or dust suppressant materials will be applied, when necessary to control dust during dry periods. A map identifying Beemsterboer operating areas are provided in Appendix 1.
3) Beemsterboer will conduct and document daily visible emission notations of the main plant (ArcelorMittal's) haul road used by Beemsterboer (while in operation). If excessive dust is observed, Beemsterboer will call ArcelorMittal personnel to schedule additional watering of the roadway (this will be documented on the daily VE notation sheet).

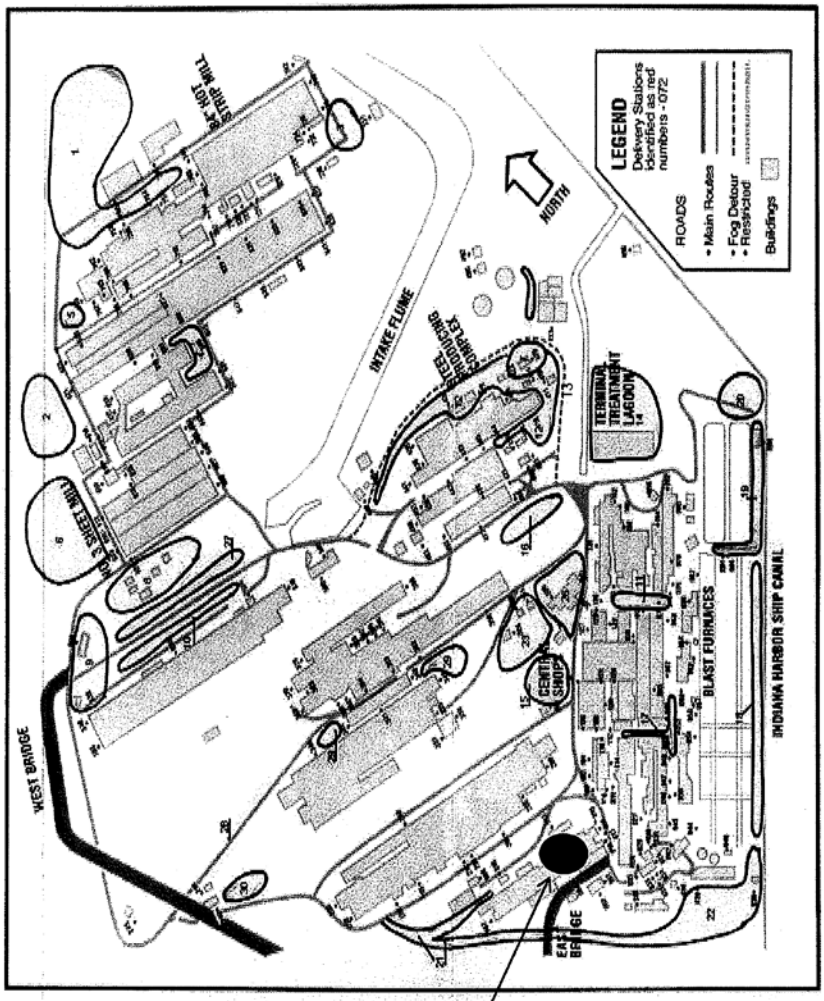
Beemsterboer will delay implementation of watering/dust suppression when:

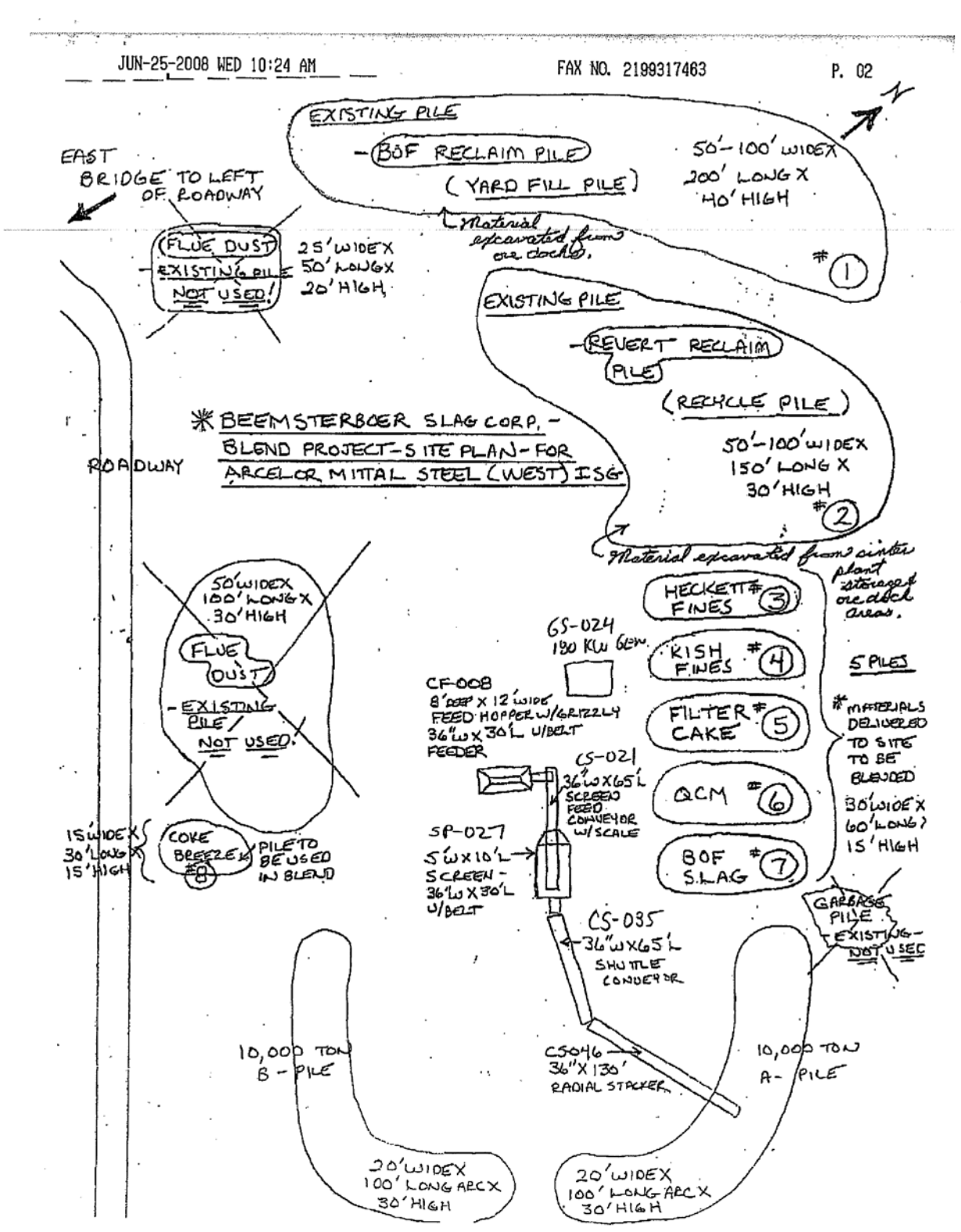
1) There has been a sufficient amount of rain in the preceding 24-hour period to not warrant control measures (typically 0.1 inches or more).
2) When cold weather temperatures prevent watering/dust suppression activities.
3) There is snow covering the application areas.
4) It is raining or snowing at the time of the scheduled treatment.

APPENDIX 1 – SITE MAPS

Beemsterboer Operation at
Indiana Harbor Works

Fugitive Dust Plan




JUN-25-2008 WED 10:24 AM
FAX NO. 2199317463
P. 02
EXISTING PILE
-BOF RECLAIM PILE
(YARD FILL PILE)
50'-100' WIDE X
200' LONG X
40' HIGH
Material excavated from ore docks.
#1
EAST
BRIDGE TO LEFT OF ROADWAY
FLUE DUST
EXISTING PILE
NOT USED!
25' WIDE X
50' LONG X
20' HIGH
EXISTING PILE
-REVERT RECLAIM PILE
(RECYCLE PILE)
50'-100' WIDE X
150' LONG X
30' HIGH
#2
* BEEMSTERBOER SLAG CORP. - BLEND PROJECT - SITE PLAN - FOR ARCELOR MITAL STEEL (WEST) ISG
ROADWAY
Material excavated from sinter plant storage ore dock areas.
5 PILES
HECKETT FINES #3
KISH FINES #4
FILTER CAKE #5
QCM #6
BOF SLAG #7
* MATERIALS DELIVERED TO SITE TO BE BLENDED
30' WIDE X
60' LONG X
15' HIGH
50' WIDE X
100' LONG X
30' HIGH
FLUE DUST
-EXISTING PILE
NOT USED
GS-024
190 KW GEN.
CF-008
8' DEEP X 12' WIDE
FEED HOPPER W/GRIZZLY
36" W X 30' L U/BELT
FEEDER
CS-021
36" W X 65' L
SCREED FEED CONVEYOR W/SCALE
SP-027
5' W X 10' L
SCREEN -
36' W X 30' L
U/BELT
CS-035
36" W X 65' L
SHUTTLE CONVEYOR
CS046
36" X 130'
RADIAL STACKER
15' WIDE X
30' LONG X
15' HIGH
COKE BREEZE #8
PILE TO BE USED IN BLEND
GARBAGE PILE
EXISTING - NOT USED
10,000 TON
B - PILE
10,000 TON
A - PILE
20' WIDE X
100' LONG ARC X
30' HIGH
20' WIDE X
100' LONG ARC X
30' HIGH

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for an Administrative Part 70 Operating Permit Renewal

Source Background and Description

Source Name: Beemsterboer Slag Corporation
Source Location: 3001 Dickey Road, East Chicago, Indiana 46312
County: Lake
SIC Code: 3312, 5052
Permit Renewal No.: T089-33440-00537
Permit Reviewer: Donald McQuigg

The Office of Air Quality (OAQ) has reviewed the Administrative Part 70 Operating Permit Renewal application from Beemsterboer Slag Corporation relating to the operation of one (1) stationary sinter plant pre-blending operation located on the property of ArcelorMittal Indiana Harbor, LLC. On July 18, 2013, Beemsterboer Slag Corporation submitted an application to the OAQ requesting to renew its administrative operating permit. Beemsterboer Slag Corporation was issued an Administrative Part 70 Operating Permit No. T089-27146-00537 on April 16, 2009.

Source Definition

The source, an integrated steel mill, includes the primary operation, ArcelorMittal USA, LLC (Source ID 089-00316), at 3210 Watling Street, East Chicago, Indiana, collocated with the secondary operation, ArcelorMittal Indiana Harbor, LLC (Source ID 089-00318), at 3001 Dickey Road, East Chicago, Indiana, and onsite contractors:

	Company Name	Source ID	Operation Description
1	ArcelorMittal USA, LLC	089-00316	Integrated steel mill
2	ArcelorMittal Indiana Harbor, LLC	089-00318	Integrated steel mill
	Onsite Contractors		
3	Beemsterboer Slag Corp.	089-00356	Slag crushing and sizing
4	Beemsterboer Slag Corp.	089-00537	Metallurgical coke screening
5	Cokenergy, LLC	089-00383	Heated gas steam from coal carbonization
6	Edward C. Levy Co. Inc.	089-00339	Slag processing
7	Fritz Enterprises, Inc.	089-00465	Iron and steel recycling process and coke screening
8	Harsco Metals Americas	089-00358	Briquetting facility
9	Indiana Harbor Coke Company LP	089-00382	Heat recovery coal carbonization
10	Ironside Energy, LLC	089-00448	Industrial steam and electric power cogeneration
11	Lafarge North America	089-00458	Slag granulator and pelletizer
12	Mid-Continent Coal & Coke	089-00371	Metallurgical coke separation
13	Oil Technology, Inc.	089-00375	Used oil recycling
14	Oil Technology, Inc.	089-00369	Used oil recycling
15	Phoenix Services, LLC	089-00538	Slag and kish processing
16	Phoenix Services, LLC, dba Metal Services LLC	089-00536	Slag and kish processing
17	Tube City IMS	089-00353	Steel slab scarfer

IDEM has determined that ArcelorMittal USA, LLC, ArcelorMittal Indiana Harbor, LLC, and each of the on-site contractors are one contiguous source.

Beemsterboer Slag Corporation (Plant ID 089-00537) is under the common control of ArcelorMittal USA, Inc. These plants are considered one major 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 USA, LLC/ArcelorMittal Indiana Harbor, LLC, and Beemsterboer Slag Corporation as one major source.

A Part 70 permit has been issued to ArcelorMittal USA, Inc. (Source ID 089-00316). Separate Administrative Part 70 permits have been issued to ArcelorMittal Indiana Harbor, LLC (Source ID 089-00318), the secondary operation, and each of the onsite contractors, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

(a) One (1) conveyor feeder, constructed in 2009, identified as CF-008, with a maximum capacity of 375 tons per hour;

(b) One (1) conveyor shuttle, constructed in 2009, identified as CS-021, with a maximum capacity of 375 tons per hour;

(c) One (1) conveyor stacker, constructed in 2009, identified as CS-046, with a maximum capacity of 375 tons per hour;

(d) One (1) screen, constructed in 2009, identified as SP-027, with a maximum capacity of 375 tons per hour;

(e) One (1) conveyor shuttle, constructed in 2009, identified as CS-035, with a maximum capacity of 375 tons per hour; and

(f) One (1) aggregate storage pile with a maximum pile capacity of 422,500 tons. [326 IAC 6.8-10] [326 IAC 6-4]

Insignificant Activities

The source also consists of the following insignificant activities:

(a) Unpaved roads and parking lots with public access. [326 IAC 6.8-10] [326 IAC 6-4]

Existing Approvals

Since the issuance of the Administrative Part 70 Operating Permit No. T089-27146-00537 on April 16, 2009, the source has constructed or has been operating under the following additional approvals:

(a) Significant Permit Modification No. 089-29316-00537 issued on September 9, 2010.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Lake County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O_3	On June 11, 2012, the U.S. EPA designated Lake County nonattainment, for the 8-hour ozone standard. [12]
$PM_{2.5}$	Unclassifiable or attainment effective February 6, 2012, for the annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

[1]The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Lake County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard.
[2]The department has filed a legal challenge to U.S. EPA's designation in 77 FR 34228.

(a) Ozone Standards

U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, has designated Lake County as nonattainment for ozone. On August 1, 2012, the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against U.S. EPA in the U.S. Court of Appeals for the DC Circuit on July 19, 2012. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's designation. Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NO_x emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.

(b) $PM_{2.5}$

Lake County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Lake County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this source is classified as an integrated steel mill, it is considered one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	>100
PM_{10}	>100
$PM_{2.5}$	>100
SO_2	>100
VOC	>100
CO	>100
NO_x	>100
GHG as CO_2e	>100,000
Single HAP	>10
Total HAP	>25

Appendix A of this TSD reflects the unrestricted potential emissions for Beemsterboer Slag Corporation.

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM_{10}, $PM_{2.5}$, SO_2, VOC, CO, and NO_x is equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued an Administrative Part 70 Operating Permit Renewal.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHG is equal to or greater than one hundred thousand (100,000) tons of CO_2 equivalent (CO_2e) emissions per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued an Administrative Part 70 Operating Permit Renewal.

(c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any new control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential To Emit of the Sinter Plant Pre-blending Operation After Issuance of Renewal (tons/year)									
Process/ Emission Unit	PM	PM_{10}*	$PM_{2.5}$**	SO_2	NO_x	VOC	CO	GHG as CO_2e	Total HAPs	Worst Single HAP
Conveyor feeder (CF-008)	0.06	0.02	0.01	-	-	-	-	-	-	-
Conveyor shuttle (CS-021)	0.06	0.02	0.01	-	-	-	-	-	-	-
Conveyor stacker (CS-046)	0.06	0.02	0.01	-	-	-	-	-	-	-
Screen (SP-027)	0.46	0.16	0.01	-	-	-	-	-	-	-
Conveyor shuttle (CS-035)	0.06	0.02	0.01	-	-	-	-	-	-	-
Fugitive emissions: aggregate pile	1.83	0.92	0.28	-	-	-	-	-	-	-
Fugitive emissions: aggregate handling	0.68	0.32	0.10	-	-	-	-	-	-	-
Fugitive emissions: unpaved roads	19.35	5.16	0.52	-	-	-	-	-	-	-
Total PTE of the sinter plant pre-blending operation	**22.56**	**6.63**	**0.93**	-	-	-	-	-	-	-
PSD/NSR Significance Thresholds	25	15	10	40	40	25	100	75,000	NA	NA
Total PTE of Entire Source (ArcelorMittal USA, Inc.)	**>100**	**>100**	**>100**	**>100**	**>100**	**>100**	**>100**	**>100,000**	**>25**	**>10**
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	100	100	100	100	100	100	100	100,000	NA	NA

negl. = negligible
* Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a regulated air pollutant".
**$PM_{2.5}$ listed is direct $PM_{2.5}$.

(a) This existing stationary source is major for PSD because the emissions of at least one criteria pollutant are greater than one hundred (>100) tons per year, and it is in one (1) of the twenty-eight (28) listed source categories.

(b) GHG emissions are equal to or greater than one hundred thousand (>100,000) tons of CO_2 equivalent (CO_2e) emissions per year.

Federal Rule Applicability

CAM:

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

Control devices are not used for any emission unit at the sinter plant pre-blending operation. Therefore, the requirements of 40 CFR 64, CAM, are not applicable.

NSPS:

(b) The sinter plant pre-blending operation is not subject to the requirements of the New Source Performance Standard for Metallic Mineral Processing Plants (40 CFR 60.380, Subpart LL) because the operations are not producing metallic mineral concentrates from ore. None of this slag crushing and/or screening operation is performed in a mine or pit.

(c) The sinter plant pre-blending operation is not subject to the requirements of the New Source Performance Standard for Nonmetallic Mineral Processing Plants (40 CFR 60.670, Subpart OOO) because the slag material being crushed does not meet the definition of a nonmetallic mineral pursuant to 40 CFR 60.671.

(d) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for the sinter plant pre-blending operation.

NESHAP:

(e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal for the sinter plant pre-blending operation.

State Rule Applicability - Entire Source

326 IAC 1-5-2 (Emergency Reduction Plans)
The source is subject to 326 IAC 1-5-2.

326 IAC 1-6-3 (Preventive Maintenance Plan)
The source is subject to 326 IAC 1-6-3.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
Pursuant to 326 IAC 2-4.1-1(b)(2), the requirements of 326 IAC 2-4.1-1 do not apply to a major source specifically regulated, or exempt from regulation, by a standard issued pursuant to Section 112(d), 112(h), or 112(j) of the CAA.

This sinter plant pre-blending operation will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is located in Lake County and its emissions of NOx are greater than twenty-five (25) tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(1), annual reporting is required. An emission statement shall be submitted by July 1, 2014, and every year thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

This source is subject to the opacity limitations specified in 326 IAC 5-1-2(2).

326 IAC 6-4 (Fugitive Dust Emissions)

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 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to the requirements of 326 IAC 6-5 because the facility is located in Lake County and is subject to the requirements of 326 IAC 6.8-8 (Lake County: Continuous Compliance Plan).

State Rule Applicability – Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and 326 IAC 2-1.1-5 (Nonattainment NSR)

Since this source is considered a major PSD source and the unrestricted potential to emit of sinter plant pre-blending operation is greater than twenty-five (25) tons of PM per year, fifteen (15) tons of PM_{10} per year, and ten (10) tons of $PM_{2.5}$ per year, the Permittee has elected to limit the potential to emit as follows:

(a) The aggregate input to the sinter plant pre-blending operation shall be less than 845,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The emissions from the sinter plant pre-blending operation shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed): transfer point for each feeder, shuttle, and stacker conveyor	Emission Limit (lb/ton of material processed): screen (SP-027)
PM	0.00014	0.0022
PM_{10}	4.6E-05	0.00074
$PM_{2.5}$	1.3E-05	5.0E-05

(c) Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the facility Fugitive Dust Control Plan (attachment A).

Compliance with these emission limitations will ensure that the potential to emit from the sinter plant pre-blending operation is less than twenty-five (25) tons of PM per year, fifteen (15) tons of PM_{10} per year, and ten (10) tons of $PM_{2.5}$ per year and, therefore, will render the requirements of 326 IAC 2-2 and 326 IAC 2-1.1-5 not applicable.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The sinter plant pre-blending operation is not subject to the requirements of 326 IAC 6-3 because the source is subject to the requirements of 326 IAC 6.8-1-2 (Lake County: PM_{10} Emission Requirements). Pursuant to 326 IAC 6-3-1(c), if any limitation established by this rule is inconsistent with applicable limitations contained in 326 IAC 6.8-1 (Lake County: PM_{10} Emission Requirements), 326 IAC 12 (New Source Performance Standards), or 326 IAC 20 (Hazardous Air Pollutants), then the limitations contained in 326 IAC 6.8-1, 326 IAC 12, or 326 IAC 20 prevail.

326 IAC 6.5 PM Limitations Except Lake County

This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8-1-2 (Lake County: PM_{10} Emission Requirements)

Pursuant to 326 IAC 6.8-1-2(a), emissions from the following emission units shall not exceed 0.03 gr/dscf of particulate matter of less than ten microns in diameter (PM_{10}):

Truck Loading & Unloading, Storage Piles, Transporting (Road Emissions), Conveyor Feeder (CF-008), Conveyor Shuttle (CS-021), Conveyor Stacker (CS-046), Screen (SP-027), and Conveyor Shuttle (CS-035).

326 IAC 6.8-8 (Lake County: Continuous Compliance Plan)

Pursuant to 326 IAC 6.8-8-1(18)(C), the Permittee shall submit to IDEM, and maintain at the source, a copy of the Continuous Compliance Plan. The Permittee shall perform the inspections, monitoring, and record keeping requirements as specified in 326 IAC 6.8-8-7. The Permittee shall update the CCP (as needed), retain a copy on site, and make the updated CCP available for inspection as specified in 326 IAC 6.8-8-8.

326 IAC 6.8-10 (Lake County Fugitive Particulate Matter)

(a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), the particulate matter emissions from source wide activities shall meet the following requirements:

(1) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(2) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(3) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

(4) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(5) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

(6) There shall be a zero (0) percent frequency of visible emission observations of a material during the in plant transportation of material by truck or rail at any time.

(7) The opacity of fugitive particulate emissions from the in plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(8) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(9) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(10) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(11) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

(12) PM_{10} emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity.

(13) Fugitive particulate matter from the material processing facilities shall not exceed ten percent (10%) opacity.

(14) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:

(A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.

(B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).

Material processing facilities include crushers, screens, grinders, mixers, dryers, belt conveyors, bucket elevators, bagging operations, storage bins, and truck or railroad car loading stations.

(b) The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations)

The sinter plant pre-blending operation is not subject to 326 IAC 326 IAC 7-1.1 because its SO_2 PTE is less than twenty-five (25) tons/year or ten (10) pounds/hour.

326 IAC 8-1-6 (BACT)

The sinter plant pre-blending operation has a potential to emit less than twenty-five (25) tons per year of VOC. Therefore, 326 IAC 8-1-6 does not apply.

326 IAC 9 (Carbon Monoxide Emission Limits)

No emission limit has been established for this source type pursuant to 326 IAC 9-1-2. Therefore, 326 IAC 9 does not apply.

326 IAC 10 (Nitrogen Oxide Emission Limitations)

This source is not located in Clark or Floyd Counties. Therefore, the requirements of 326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties) are not applicable.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC *2-7-5*. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those

conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The Compliance Determination and Monitoring Requirements applicable to this modification are as follows:

(1) Particulate Control
In order to ensure compliance with Conditions D.1.1 and D.1.2, the Permittee shall apply an initial application of water or a mixture of water and wetting agent to control the PM, PM_{10} and $PM_{2.5}$ emissions from the crusher and the conveyors. The suppressant shall be applied 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, the Permittee shall perform chemical analysis on the aggregate material to ensure that the aggregate material has a moisture content greater than 1.5 percent (1.5%) by weight. The Permittee shall submit to IDEM, OAQ the method for moisture content analysis for approval.

(2) Particulate Matter (PM)
Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

Opacity from the activities shall be determined as follows:

(a) Paved Roads and Parking Lots
The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(b) Unpaved Roads and Parking
The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.

(c) Batch Transfer
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

(d) Continuous Transfer
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(e) Wind Erosion from Storage Piles
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when applications of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(f) Wind Erosion from Exposed Areas
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.

(g) Material Transported by Truck or Rail
Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the in plant transportation requirement.

(h) Material Transported by Front End Loader or Skip Hoist
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

(3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

(i) Material Processing Limitations
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipments shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

(3) Visible Emissions Notations

(a) Visible emissions notations of the slag screening and conveying emission points 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 response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

(4) Recordkeeping Requirements

(a) The aggregate input to the sinter plant pre-blending operation shall be less than 845,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

These compliance determination and monitoring conditions are necessary because fugitive dust must be properly controlled to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 2-1.1-5 (Nonattainment NSR), 326 IAC 6-4 (Fugitive Dust Emissions), 326 IAC 6.8 (Particulate Matter Limitations for Lake County), and 326 IAC 2-7 (Part 70).

Recommendation

The staff recommends to the Commissioner that the Administrative Part 70 Operating Permit Renewal No. T089-33440-00537 be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on July 18, 2013.

Conclusion

The operation of this stationary sinter plant pre-blending operation shall be subject to the conditions of the attached Administrative Part 70 Operating Permit Renewal No. T089-33440-00537.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Donald McQuigg at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-4240 or toll free at 1-800-451-6027 extension 4-4240.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

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

Appendix A: Emission Calculations
Summary of Emissions

Company Name: Beemsterboer Slag Corporation
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
Administrative Part 70 Operating Permit Renewal : T089-33440-00537
Reviewer: Donald McQuigg
Date: October 10, 2013

	Unlimited Potential To Emit (tons/year)									
Emission Units	PM	PM_{10}	$PM_{2.5}$	SO_2	NOx	VOC	CO	GHG as CO_2e	Worst Single HAP	Total HAP
Conveyor feeder (CF-008)	4.93	1.81	1.81	-	-	-	-	-	-	-
Conveyor shuttle (CS-021)	4.93	1.81	1.81	-	-	-	-	-	-	-
Conveyor stacker (CS-046)	4.93	1.81	1.81	-	-	-	-	-	-	-
Screen (SP-027)	41.06	14.29	14.29	-	-	-	-	-	-	-
Conveyor shuttle (CS-035)	4.93	1.81	1.81	-	-	-	-	-	-	-
Aggregate storage pile	14.25	7.12	2.85	-	-	-	-	-	-	-
Aggregate handling	2.63	1.25	0.39	-	-	-	-	-	-	-
Unpaved roads	300.95	80.20	8.02	-	-	-	-	-	-	-
TOTAL	**378.61**	**110.09**	**32.78**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

	Limited/controlled Potential to Emit After Issuance (tons/year)									
Emission Units	PM	PM_{10}	$PM_{2.5}$	SO_2	NOx	VOC	CO	GHG as CO_2e	Worst Single HAP	Total HAP*
Conveyor feeder (CF-008)	0.06	0.02	0.01	-	-	-	-	-	-	-
Conveyor shuttle (CS-021)	0.06	0.02	0.01	-	-	-	-	-	-	-
Conveyor stacker (CS-046)	0.06	0.02	0.01	-	-	-	-	-	-	-
Screen (SP-027)	0.46	0.16	0.01	-	-	-	-	-	-	-
Conveyor shuttle (CS-035)	0.06	0.02	0.01	-	-	-	-	-	-	-
Aggregate storage pile	1.83	0.92	0.28	-	-	-	-	-	-	-
Aggregate handling	0.68	0.32	0.10	-	-	-	-	-	-	-
Unpaved roads	19.35	5.16	0.52	-	-	-	-	-	-	-
TOTAL	**22.56**	**6.63**	**0.93**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Appendix A: Emission Calculations
PM Emissions from Sinter Plant Pre-blending Operation

Company Name: Beemsterboer Slag Corporation
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
Administrative Part 70 Operating Permit Renewal: T089-33440-00537
Reviewer: Donald McQuigg
Date: October 10, 2013

Limited Throughput 845,000 tons

Potential Emissions (PM)		Process Rate		Emission Factor				PM Emissions		Uncontrolled Emission Factors
Conveyor Feeder	CF-008	375 ton/hr x	0.0030 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	4.93 tons/yr	1.13 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Shuttle	CS-021	375 ton/hr x	0.0030 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	4.93 tons/yr	1.13 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Stacker	CS-046	375 ton/hr x	0.0030 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	4.93 tons/yr	1.13 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Screen	SP-027	375 ton/hr x	0.0250 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	41.06 tons/yr	9.38 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Shuttle	CS-035	375 ton/hr x	0.0030 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	4.93 tons/yr	1.13 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Storage				** see below **		14.25 tons/yr	3.25 lb/hr	Air Pollution Engineering Manual		
Aggregate Handling				** see below **		2.63 tons/yr	0.60 lb/hr	AP-42 Ch. 13.2.4 (11/06)		
Unpaved Roads				** see below **		300.95 tons/yr	68.71 lb/hr	AP-42 Ch. 13.2.2 (11/06)		
Total PM emissions before controls:						378.61 tons/yr				

Limited Emissions (PM)		Process Rate		Emission Factor				PM Emissions		Controlled Emission Factors
Conveyor Feeder	CF-008	96 ton/hr x	0.00014 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	0.06 tons/yr	0.01 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Shuttle	CS-021	96 ton/hr x	0.00014 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	0.06 tons/yr	0.01 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Stacker	CS-046	96 ton/hr x	0.00014 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	0.06 tons/yr	0.01 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Screen	SP-027	48 ton/hr x	0.0022 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	0.46 tons/yr	0.11 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Conveyor Shuttle	CS-035	96 ton/hr x	0.00014 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	0.06 tons/yr	0.01 lb/hr	AP-42 Ch. 11.19.2 (8/04)		
Storage Pile				** see below **		1.83 tons/yr	0.42 lb/hr	Air Pollution Engineering Manual		
Aggregate Handling				** see below **		0.68 tons/yr	0.15 lb/hr	AP-42 Ch. 13.2.4 (11/06)		
Unpaved Roads				** see below **		19.35 tons/yr	4.42 lb/hr	AP-42 Ch. 13.2.2 (11/06)		
Total PM emissions after controls:						22.56 tons/yr				

Storage

Storage emissions, which result from wind erosion (Air Pollution Engineering Manual; p 136; Eqn. 5; AWMA; 1992):

Pile capacity (PC) = 375 ton/hr x 8760 hr/yr = 3,285,000 tons
Limited pile capacity (LPC) = 422,500 tons **(limited pile capacity is processed twice to equal limited throughput)**
Pile density (PD) = 40 cu-ft/ton
Pile height (PH) = 30 ft

Emission Factor Ef = k * [1.7*(s/1.5)*(365-p)/235*(f/15)] = 0.78 lb/acre/day PM
where k = 1.0 particle size multiplier: PM30(PM)=1.0, PM10=0.5, PM2.5=0.2
s = 0.7 % silt content of material
p = 135 days of rain greater than or equal to 0.01 inches
f = 15 % of wind greater than or equal to 12 mph

Methodology

Potential PTE PM (tons/yr) = Emission Factor Ef (PM)* PC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 14.25 TPY PM
Limited PTE PM (tons/yr) = Emission Factor Ef (PM)* LPC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 1.83 TPY PM

Aggregate Handling

The following calculations determine the amount of emissions created by dropping of material (AP-42, Sec. 13.2.4, eq. 1):

Emission Factor Ef = k*(0.0032)* (U/5)^1.3/(M/2)^1.4 = 0.001603 lb PM/ton
where k = 0.74 particle size multiplier: PM30(PM)=0.74, PM10=0.35, PM2.5=0.11
U = 13.4 mean wind speed, mph
M = 6.6 % material moisture content

Methodology

Potential PTE PM (tons/yr) = total throughput * Emission Factor Ef (PM) / (2000 lbs/ton) = 2.63 tons/yr
Limited PTE PM (tons/yr) = limited throughput * Emission Factor Ef (PM) / (2000 lbs/ton) = 0.68 tons/yr

Unpaved Roads

The following calculations determine the amount of emissions created by loose dry surface dust on unpaved roads (AP-42, Sec. 13.2.2, eq. 1a and eq. 2):

Mileage: slag material hauled to screen feeder using front end loader: vehicle loaded for all roundtrip mileage below.
0.171 miles from individual piles into screen, onto conveyor to make Pile "A"
0.114 miles from Pile "A" onto conveyor (not screened) to make Pile "B"

3,285,000 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 93,623 potential miles per year
422,500 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 12,041 limited miles per year

Emission Factor Ef = k*[(s/12)^a]*[(W/3)^b]*[(365-P)/365] = 6.43 lb PM/mile
where k = 4.9 particle size multiplier: TSP(PM)=4.9, PM10=1.5, PM2.5=0.15
s = 6 mean % silt content of unpaved roads
a= 0.7 constant: TSP(PM)=0.7, PM10=0.9 , PM2.5=0.9
W = 45.0 tons average vehicle weight
b = 0.45 constant: TSP(PM)=0.45, PM10=0.45 , PM2.5=0.45
P = 135 days of rain greater than or equal to 0.01 inches

Methodology

Potential PTE PM (tons/yr) = potential miles per year * emission factor Ef (PM) / 2000 lb/ton = 300.95 TPY PM
Limited PTE PM (tons/yr = limited miles per year * emission factor Ef (PM) / 2000 lb/ton = 38.71 TPY PM
Controlled/Limited PTE PM (tons/yr) = limited miles per year * emission factor Ef (PM) / 2000 lb/ton * (1-50%) = 19.35 TPY PM

Appendix A: Emission Calculations
PM_{10} Emissions from Sinter Plant Pre-blending Operation

Company Name: Beemsterboer Slag Corporation
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
Administrative Part 70 Operating Permit Renewal: T089-33440-00537
Reviewer: Donald McQuigg
Date: October 10, 2013

Limited Throughput 845,000 tons

Potential Emissions (PM10)		Process Rate	Emission Factor		PM10 Emissions		Uncontrolled Emission Factors
Conveyor Feeder	CF-008	375 ton/hr x	0.0011 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	1.81 tons/yr	0.41 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-021	375 ton/hr x	0.0011 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	1.81 tons/yr	0.41 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Stacker	CS-046	375 ton/hr x	0.0011 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	1.81 tons/yr	0.41 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Screen	SP-027	375 ton/hr x	0.0087 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	14.29 tons/yr	3.26 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-035	375 ton/hr x	0.0011 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	1.81 tons/yr	0.41 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Storage Pile				** see below **	7.12 tons/yr	1.63 lb/hr	Air Pollution Engineering Manual
Aggregate Handling				** see below **	1.25 tons/yr	0.28 lb/hr	AP-42 Ch. 13.2.4 (11/06)
Unpaved Roads				** see below **	80.20 tons/yr	18.31 lb/hr	AP-42 Ch. 13.2.2 (11/06)
Total PM10 emissions before controls:					110.09 tons/yr		

Limited Emissions (PM10)		Process Rate	Emission Factor		PM10 Emissions		Controlled Emission Factors
Conveyor Feeder	CF-008	96 ton/hr x	4.60E-05 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	0.02 tons/yr	0.00 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-021	96 ton/hr x	4.60E-05 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	0.02 tons/yr	0.00 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Stacker	CS-046	96 ton/hr x	4.60E-05 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	0.02 tons/yr	0.00 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Screen	SP-027	48 ton/hr x	0.00074 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	0.16 tons/yr	0.04 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-035	96 ton/hr x	4.60E-05 lb/ton	/ 2000 lb/ton x 8760 hr/yr =	0.02 tons/yr	0.00 lb/hr	AP-42 Ch. 11.19.2 (8/04)
Storage				** see below **	0.92 tons/yr	0.21 lb/hr	Air Pollution Engineering Manual
Aggregate Handling				** see below **	0.32 tons/yr	0.07 lb/hr	AP-42 Ch. 13.2.4 (11/06)
Unpaved Roads				** see below **	5.16 tons/yr	1.18 lb/hr	AP-42 Ch. 13.2.2 (11/06)
Total PM10 emissions after controls:					6.63 tons/yr		

Storage

Storage emissions, which result from wind erosion (Air Pollution Engineering Manual; p 136; Eqn. 5; AWMA; 1992):

Pile capacity (PC) = 375 ton/hr x 8760 hr/yr = 3,285,000 tons
Limited pile capacity (LPC) = 422,500 tons **(limited pile capacity is processed twice to equal limited throughput)**
Pile density (PD) = 40 cu-ft/ton
Pile height (PH) = 30 ft

Emission Factor Ef = k * [1.7*(s/1.5)*(365-p)/235*(f/15)] = 0.39 lb/acre/day PM10
where k = 0.5 particle size multiplier: PM30(PM)=1.0, PM10=0.5, PM2.5=0.2
s = 0.7 % silt content of material
p = 135 days of rain greater than or equal to 0.01 inches
f = 15 % of wind greater than or equal to 12 mph

Methodology

Potential PTE PM10 (tons/yr) = Emission Factor Ef (PM10) * PC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 7.12 TPY PM10
Limited PTE PM10(tons/yr) = Emission Factor Ef (PM10) * LPC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 0.92 TPY PM10

Aggregate Handling

The following calculations determine the amount of emissions created by dropping of material (AP-42, Sec. 13.2.4, eq. 1):

Emission Factor Ef = k*(0.0032)* (U/5)^1.3/(M/2)^1.4 = 0.000758 lb PM10/ton
where k = 0.35 particle size multiplier: PM30(PM)=0.74, PM10=0.35, PM2.5=0.11
U = 13.4 mean wind speed, mph
M = 6.6 % material moisture content

Methodology

Potential PTE PM10 (tons/yr) = total throughput * Emission Factor Ef (PM10) / (2000 lbs/ton) = 1.25 tons/yr
Limited PTE PM10 (tons/yr) = limited throughput * Emission Factor Ef (PM10) / (2000 lbs/ton) = 0.32 tons/yr

Unpaved Roads

The following calculations determine the amount of emissions created by loose dry surface dust on unpaved roads (AP-42, Sec. 13.2.2, eq. 1a and eq. 2):

Mileage: slag material hauled to screen feeder using front end loader: vehicle loaded for all roundtrip mileage below.
0.171 miles from individual piles into screen, onto conveyor to make Pile "A"
0.114 miles from Pile "A" onto conveyor (not screened) to make Pile "B"

3,285,000 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 93623 potential miles per year
422,500 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 12041 limited miles per year

Emission Factor Ef = k*[(s/12)^a]*[(W/3)^b]*[(365-P)/365] = 1.71 lb PM10/mile
where k = 1.5 particle size multiplier: TSP(PM)=4.9, PM10=1.5, PM2.5=0.15
s = 6 mean % silt content of unpaved roads
a= 0.9 constant: TSP(PM)=0.7, PM10=0.9 , PM2.5=0.9
W = 45.0 tons average vehicle weight
b = 0.45 constant: TSP(PM)=0.45, PM10=0.45 , PM2.5=0.45
P = 135 days of rain greater than or equal to 0.01 inches

Methodology

Potential PTE PM10 (tons/yr) = potential miles per year * emission factor Ef (PM10) / 2000 lb/ton = 80.20 TPY PM10
Limited PTE PM10 (tons/yr) = limited miles per year * emission factor Ef (PM10) / 2000 lb/ton = 10.32 TPY PM10
Controlled/Limited PTE PM10(tons/yr) = limited miles per year * emission factor Ef (PM10) / 2000 lb/ton * (1-50%) = 5.16 TPY PM10

Appendix A: Emission Calculations
$PM_{2.5}$ Emissions from Sinter Plant Pre-blending Operation

Company Name: Beemsterboer Slag Corporation
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
Administrative Part 70 Operating Permit Renewal: T089-33440-00537
Reviewer: Donald McQuigg
Date: October 10, 2013

Limited Throughput 845,000 tons

Potential Emissions (PM2.5)		Process Rate		Emission Factor			PM2.5 Emissions			Uncontrolled Emission Factors
Conveyor Feeder	CF-008	375 ton/hr x	0.0011	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		1.81 tons/yr	0.41	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-021	375 ton/hr x	0.0011	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		1.81 tons/yr	0.41	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Stacker	CS-046	375 ton/hr x	0.0011	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		1.81 tons/yr	0.41	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Screen	SP-027	375 ton/hr x	0.0087	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		14.29 tons/yr	3.26	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-035	375 ton/hr x	0.0011	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		1.81 tons/yr	0.41	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Storage Pile					** see below **		2.85 tons/yr	0.65	lb/hr	Air Pollution Engineering Manual
Aggregate Handling					** see below **		0.39 tons/yr	0.09	lb/hr	AP-42 Ch. 13.2.4 (11/06)
Unpaved Roads					** see below **		8.02 tons/yr	1.83	lb/hr	AP-42 Ch. 13.2.2 (11/06)
Total PM2.5 emissions before controls:							32.78 tons/yr			

Limited Emissions (PM2.5)		Process Rate		Emission Factor			PM2.5 Emissions			Controlled Emission Factors
Conveyor Feeder	CF-008	96 ton/hr x	1.30E-05	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		0.01 tons/yr	0.00	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-021	96 ton/hr x	1.30E-05	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		0.01 tons/yr	0.00	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Stacker	CS-046	96 ton/hr x	1.30E-05	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		0.01 tons/yr	0.00	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Screen	SP-027	48 ton/hr x	0.00005	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		0.01 tons/yr	0.00	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Conveyor Shuttle	CS-035	96 ton/hr x	1.30E-05	lb/ton	/ 2000 lb/ton x 8760 hr/yr =		0.01 tons/yr	0.00	lb/hr	AP-42 Ch. 11.19.2 (8/04)
Storage					** see below **		0.28 tons/yr	0.07	lb/hr	Air Pollution Engineering Manual
Aggregate Handling					** see below **		0.10 tons/yr	0.02	lb/hr	AP-42 Ch. 13.2.4 (11/06)
Unpaved Roads					** see below **		0.52 tons/yr	0.12	lb/hr	AP-42 Ch. 13.2.2 (11/06)
Total PM2.5 emissions after controls:							0.93 tons/yr			

Storage

Storage emissions, which result from wind erosion (Air Pollution Engineering Manual; p 136; Eqn. 5; AWMA; 1992):

Pile capacity (PC) = 375 ton/hr x 8760 hr/yr = 3,285,000 tons
Limited pile capacity (LPC) = 422,500 tons **(limited pile capacity is processed twice to equal limited throughput)**
Pile density (PD) = 40 cu-ft/ton
Pile height (PH) = 30 ft

Emission Factor Ef = k * [1.7*(s/1.5)*(365-p)/235*(f/15)] = 0.16 lb/acre/day PM2.5
where k = 0.2 particle size multiplier: PM30(PM)=1.0, PM10=0.5, PM2.5=0.2
s = 0.7 % silt content of material
p = 135 days of rain greater than or equal to 0.01 inches
f = 15 % of wind greater than or equal to 12 mph

Methodology

Potential PTE PM2.5 (tons/yr) = Emission Factor Ef (PM2.5) * PC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 2.85 TPY PM2.5
Limited PTE PM2.5 (tons/yr) = Emission Factor Ef (PM2.5) * LPC * PD / (2000 lbs/ton) / (43560 sqft/acre) / PH * (365 days/year) = 0.28 TPY PM2.5

Aggregate Handling

The following calculations determine the amount of emissions created by dropping of material (AP-42, Sec. 13.2.4, eq. 1):

Emission Factor Ef = k*(0.0032)* (U/5)^1.3/(M/2)^1.4 = 0.000238 lb PM2.5/ton
where k = 0.11 particle size multiplier: PM30(PM)=0.74, PM10=0.35, PM2.5=0.11
U = 13.4 mean wind speed, mph
M = 6.6 % material moisture content

Methodology

Potential PTE PM2.5 (tons/yr) = total throughput * Emission Factor Ef (PM2.5) / (2000 lbs/ton) = 0.39 tons/yr
Limited PTE PM2.5 (tons/yr) = limited throughput * Emission Factor Ef (PM2.5) / (2000 lbs/ton) = 0.10 tons/yr

Unpaved Roads

The following calculations determine the amount of emissions created by loose dry surface dust on unpaved roads (AP-42, Sec. 13.2.2, eq. 1a and eq. 2):

Mileage: slag material hauled to screen feeder using front end loader: vehicle loaded for all roundtrip mileage below.
0.171 miles from individual piles into screen, onto conveyor to make Pile "A"
0.114 miles from Pile "A" onto conveyor (not screened) to make Pile "B"

3,285,000 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 93623 potential miles per year
422,500 tons/year ÷ 10.0 tons/roundtrip * 0.285 miles/roundtrip = 12041 limited miles per year

Emission Factor Ef = k*[(s/12)^a]*[(W/3)^b]*[(365-P)/365] = 0.17 lb PM2.5/mile
where k = 0.15 particle size multiplier: TSP(PM)=4.9, PM10=1.5, PM2.5=0.15
s = 6 mean % silt content of unpaved roads
a= 0.9 constant: TSP(PM)=0.7, PM10=0.9 , PM2.5=0.9
W = 45.0 tons average vehicle weight
b = 0.45 constant: TSP(PM)=0.45, PM10=0.45 , PM2.5=0.45
P = 135 days of rain greater than or equal to 0.01 inches

Methodology

Potential PTE PM2.5 (tons/yr) = potential miles per year * emission factor Ef (PM2.5) / 2000 lb/ton = 8.02 TPY PM2.5
Limited PTE PM2.5 (tons/yr) = limited miles per year * emission factor Ef (PM2.5) / 2000 lb/ton = 1.03 TPY PM2.5
Controlled/Limited PTE PM2.5 (tons/yr) = limited miles per year * emission factor Ef (PM2.5) / 2000 lb/ton * (1-50%) = 0.52 TPY PM10

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

March 4, 2014

Mr. Michael L Beemsterboer
Beemsterboer Slag Corporation
3411 Sheffield Avenue
Hammond, IN 46327

Re: Public Notice
Beemsterboer Slag Corporation
Permit Level: Renewal of an Administrative Part 70 Operating Permit
Permit Number: 089-33440-00537

Dear Mr. Beemsterboer:

Enclosed is a copy of your draft Renewal of an Administrative Part 70 Operating Permit, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has submitted the draft permit package to the East Chicago Public Library, 2401 East Columbus Drive in East Chicago, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper. The OAQ has requested that The Post Tribune in Merrillville, Indiana and The Times in Munster, Indiana publish this notice no later than March 7, 2014.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Donald McQuigg, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-4240 or dial (317) 234-4240.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter. dot 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

February 28, 2014

The Post Tribune
1433 East 83rd Avenue
Merrillville, IN 46410

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Beemsterboer Slag Corporation, Lake County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than March 7, 2014.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6867 or dial 317-233-6867.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Renewal of an Administrative Part 70 Operating Permit
Permit Number: 089-33440-00537

Enclosure
PN Newspaper.dot 6/13/2013

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

February 28, 2014

The Times
601 West 45th Avenue
Munster, IN 46321

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Beemsterboer Slag Corporation, Lake County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than March 7, 2014.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

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Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Renewal of an Administrative Part 70 Operating Permit
Permit Number: 089-33440-00537

Enclosure
PN Newspaper.dot 6/13/2013

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

March 4, 2014

To: East Chicago Public Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Beemsterboer Slag Corporation
Permit Number: 089-33440-00537

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

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. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 6/13/2013

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Notice of Public Comment

March 4, 2014
Beemsterboer Slag Corporation
089-33440-00537

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 6/13/13

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

March 4, 2014

A 30-day public comment period has been initiated for:

Permit Number: **089-33440-00537**
Applicant Name: **Beemsterboer Slag Corporation**
Location: **East Chicago, Lake County, Indiana**

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

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

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Mail Code 61-53

IDEM Staff	VHAUN 3/4/2014 Beemsterboer Slag Corp. - contractor of ArcelorMittal (318)	DRAFT 089-33440-00537	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING

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 L Beemsterboer Beemsterboer Slag Corp. - contractor of ArcelorMit 3411 Sheffield Ave Hammond IN 46327 (Source CAATS)									
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 *(Local Official)*									
3		East Chicago Public Library 2401 E Columbus Dr East Chicago IN 46312-2998 *(Library)*									
4		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 *(Health Department)*									
5		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 *(Affected Party)*									
6		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)*									
7		Mark Coleman 107 Diana Road Portage IN 46368 *(Affected Party)*									
8		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)*									
9		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 *(Affected Party)*									
10		Responsible Official Arcelor Mittal 3210 Watling St. East Chicago IN 46312-1610 *(source - addl contact)*									
11		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 *(Local Official)*									
12		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 *(Affected Party)*									
13		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)									
14		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 *(Affected Party)*									
15		Susan Grenzebach ST Environmental, LLC PO Box 2557 Chesterton IN 46034-2557 *(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 ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** 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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FACSIMILIE OF PS Form 3877

Mail Code 61-53

IDEM Staff	VHAUN 3/4/2014 Beemsterboer Slag Corp. - contractor of ArcelorMittal (318)	DRAFT 089-33440-00537	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

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		Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)									
2		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(Affected Party)*									
3		Gary City Council 401 Broadway # 209 Gary IN 46402 *(Local Official)*									
4		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 *(Affected Party)*									
5		Ryan Dave 939 Cornwallis Munster IN 46321 *(Affected Party)*									
6		Matt Mikus 1710 Vale Park Rd Apt 302 Valparaiso IN 46383 *(Affected Party)*									
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** 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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