INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 19, 2010

RE: South Shore Slag, LLC / 089-28755-00133

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

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot12/3/07

IDEM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Dave Oram
South Shore Slag LLC
General Manager
3411 Sheffield Ave.
Hammond, IN 46327-1004

January 19,2010

Re: 089-28755-00133
Administrative Amendment to
Part 70 No.: T089-7719-000133

Dear Mr. Oram:

South Shore Slag LLC was issued a Part 70 Operating Permit on June 29, 2006 for a stationary slag crushing, screening and conveying operation. On December 10, 2009, the Office of Air Quality received an application for the usage of slag material at the equipment approved under Significant Source Modification No.089-28293-00133, issued on November 9, 2009.

The PTE calculation submitted to IDEM for the Source Modification No. 089-28293-00133 included slag material, however, the cover letter (submitted for this SSM) specified that materials other than slag would be used at this equipment. Therefore, the description of the equipment is worded such that it excludes the usage of slag at this equipment.

The usage of slag does not cause an increase in PTE of any regulated pollutant. For details of the emission calculations please refer Appendix A of the Technical Support Document of the SSM 089-28293-00133.

The source was also permitted to use slag at the equipment which was approved prior to SSM 089-28293-00133. The equipment approved under SSM 089-28293-00133 is mobile equipment and the slag processing equipment approved prior to SSM 089-28293-00133 is stationary equipment.

The changes in the permit include revision of the descriptive information in the permit and this revision does not trigger any new applicable requirements or violate a permit term. Therefore, the changes in the permit are hereby administratively amended, pursuant to the provisions of 326 IAC 2-7-11(a)(2). The deleted language is shown as ~~strikeouts~~ and new language is bolded.

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

. . .

~~Material (other than Slag) c~~Crushing, screening and conveying ~~Plant~~mobile equipment, approved for construction in 2009 through SSM 089-28293-00133, each equipment with a throughput capacity of 300 tons per hour:

~~Material (other than slag) processing equipment as listed below, approved for construction in 2009, each equipment with a throughput capacity of 300 tons per hour:~~

. . .

SECTION D.1 FACILITY OPERATION CONDITIONS

. . .

~~Material (other than Slag) c~~Crushing, screening and conveying ~~Plant~~mobile equipment, approved for construction in 2009 through SSM 089-28293-00133, each equipment with a throughput capacity of 300 tons per hour:

~~Material (other than slag) processing equipment as listed below, approved for construction in 2009, each equipment with a throughput capacity of 300 tons per hour:~~

. . .

. . .

D.1.2 Particulate Limitation [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to the SSM 089-28293-00133, the total input of the material**s** ~~(other than slag)~~ for single and series of operations at the equipment approved under SSM 089-28293-00133 shall not exceed 795,000 tons per 12 consecutive month period with compliance determined at the end of each month.

. . .

. . .

D.1.7 Record Keeping Requirements

. . .

(b) To document compliance with Condition D.1.2, the Permittee shall maintain records of the total input of the material**s** ~~(other than slag)~~ for single and series of operations at the equipment approved under SSM 089-28293-00133.

. . .

. . .

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

Part 70 Quarterly Report

. . .

Facility:	Material ~~(other than slag)~~ processing equipment, approved for construction through SSM 089-28293-00133
Parameter:	the total input of the material**s** ~~(other than slag)~~ for single and series of operations at the equipment approved under SSM 089-28293-00133
Limit:	795,000 tons per 12 consecutive month period with compliance demonstrated at the end of each month

. . .

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as amended has been provided with this letter.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Mehul Sura, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Mehul Sura or extension (3-6868), or dial (317) 233-6868.

Sincerely,

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

Attachments:
Updated Permit
Technical Support Document

mns

cc: File – Lake County
Lake County Health Department
U.S. EPA, Region V
North West Regional Office (NWRO)
Compliance and Enforcement Branch

Susan Grenzebach
OCS Environmental, Inc.
130 Lincoln Street, Suite 1
Porter, IN 46034

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

South Shore Slag LLC
An on-site contractor of US Steel - Gary Works
One North Buchanan
Gary, Indiana 46402

(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.: T089-7719-00133	
Issued by: *Original document signed by* Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: June 29, 2006 Expiration Date: June 28, 2011

First Administrative Amendment No.: 089-26455-00133, issued April 29, 2008
Second Administrative Amendment No.: 089-28128-00133, issued July 14, 2009
Significant Permit Modification No.: 089-28307-00133, issued November 30, 2009

Third Administrative Amendment No.: 089-28755-00133	
Issued by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: January 19, 2010 Expiration Date: June 28, 2011

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D.3.3 Reporting Requirements

Certification
Emergency Occurrence Report
Quarterly Report
Quarterly Deviation and Compliance Monitoring Report
Attachment - Fugitive Dust Control Plan

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary slag crushing, screening and conveying operation.

Source Address:	1 North Buchanan, Gary, Indiana 46402
Mailing Address:	3411 Sheffield Ave., Hammond, IN 46327-1004
General Source Phone Number :	219-881-6544
SIC Code:	3295
County Location:	Lake
Source Location Status:	Nonattainment for 1-hour ozone Nonattainment for 8-hour ozone Nonattainment for PM 2.5 Attainment or unclassifiable for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD, Emission Offset Rules; and Nonattainment NSR 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)]

US Steel - Gary Works is an integrated steel mill that consists of a main mill and an on-site contractor:

(a) US Steel -Gary Works, 089-00121, the primary operation, is located at, One North Broadway, Gary, IN 46402; and

(b) South Shore Slag LLC, 089-00133, the on-site contractor, is located at One North Broadway, Gary, IN 46402

Separate Part 70 permits have been issued to US Steel -Gary Works with Permit No. 089-7663-00121 and South Shore Slag LLC. with Permit No. 089-7719-00133 solely for administrative purposes.

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

South Shore Slag LLC consists of the following:

Slag crushing, screening and conveying Plant

One (1) slag crushing, screening and conveying plant constructed in 1998, with a capacity of 650 tons of slag per hour, consisting of:

(a) Two (2) grizzly/feeders, identified as 1 and 2, each with a maximum capacity of 325 tons of slag per hour.

(b) Two (2) screen feeders, identified as 3 and 4, each with a maximum capacity of 300 tons of slag per hour.

(c) Four (4) three deck screens, identified as TDS-1, TDS-2, TDS-3 and TDS-4, with a maximum capacity of 577, 577,300 and 300 tons of slag per hour, respectively.

(d) One (1) single deck screen, identified as SDS-1, with a maximum capacity of 119 tons of slag per hour.

(e) One (1) single deck screen, identified as SDS-2, with a maximum capacity of 126 tons of slag per hour

(f) One (1) primary crusher (standard cone crusher), identified as PC-1, with a maximum capacity of 294 tons of slag per hour.

(g) One (1) secondary crusher (short head crusher), identified as SC-1, with a maximum capacity of 209 tons of slag per hour.

(h) Four (4) stackers, identified as S-1, S-2, S-3 and S-4, with a maximum capacity of 328, 225, 136 and 119 tons of slag per hour, respectively.

(i) One (1) conveyor, identified as C-1, with a maximum capacity of 650 tons of slag per hour.

(j) One (1) conveyor, identified as C-2, with a maximum capacity of 1,154 tons of slag per hour.

(k) Two (2) conveyors, identified as C-3 and C-4, each with a maximum capacity of 300 tons of slag per hour.

(l) Three (3) conveyors, identified as C-5, C-6 and C-7, with a maximum capacity of 51, 209 and 294 tons of slag per hour, respectively.

(m) Three (3) conveyors, identified as C-8, C-9 and C-10, with a maximum capacity of 504, 600 and 600 tons of slag per hour, respectively.

(n) Two (2) conveyors, identified as C-11 and C-1, each with a maximum capacity of 60 tons of slag per hour.

(o) Eight (8) conveyors, identified as C-13, C-14, C-15, C-16, C-18, A, B and C, with a maximum capacity of 136, 225, 119, 120, 225, 131, 224 and 16 tons of slag per hour, respectively.

Crushing, screening and conveying mobile equipment, approved for construction in 2009 through SSM 089-28293-00133, each equipment with a throughput capacity of 300 tons per hour:

(a) Three (3) feeders

(b) Three (3) Tertiary Crushing operations

(c) Nine (9) conveyors

(d) Six (6) shuttle conveyors

(e) Two (2) magnet conveyors

(f) One (1) plug mill

(g) Five (5) screens

(h) Unpaved road

Diesel Generators
Eight (8) diesel generators, with a rated horse power of 250, 150, 175, 200, 275, 480, 450, and 300, respectively, approved for installation in 2009.

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

South Shore Slag LLC also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21).

(a) Two (2) metal inert gas (MIG) welding stations, identified as MIGW-1 and MIGW-2, each with a maximum wire consumption of 7 pounds per hour, used for maintenance purposes only; [326 IAC 6-1-2(a)]

(b) Six (6) stick welding stations, identified as SW-1 through SW-6, each with a maximum electrode usage of 7 pounds per hour, used for maintenance only; [326 IAC 6-1-2(a)]

(c) One (1) cold cleaner operation used for maintenance purposes only. .[326 IAC 8-3-2][326 IAC 8-3-5] [326 IAC 8-3-8]

(1) One (1) parts washer, identified as unit 3, with a maximum capacity of 0.1 gallon evaporation rate per day; and

(2) One (1) parts washer, identified as unit 4, with a maximum capacity of 0.1 gallon evaporation rate per day; and

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, T089-7719-000133, 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. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

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

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

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

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

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

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

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

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

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may

require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by the "responsible official" need only referenced by the date of the original report.

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

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T089-7719-000133 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 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

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

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

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]

The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(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
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

(a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.26 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 5-1-3 (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 or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

(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) 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.

(i) 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.

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

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

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

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

(1) 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.

(2) 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).

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

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

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

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

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

C.7 Performance Testing [326 IAC 3-6]

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Compliance Requirements [326 IAC 2-1.1-11]

C.8 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.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

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

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

C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.11 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.

(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.12 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 prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 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.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

C.17 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. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or

326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 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. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Indiana Department of Environmental Management
Compliance 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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:
One (1) stationary slag crushing, screening and conveying plant, with a capacity of 650 tons of slag per hour.

(a) Two (2) grizzly/feeders, identified as 1 and 2, each with a maximum capacity of 325 tons of slag per hour with emissions controlled by water sprays.

(b) Two (2) screen feeders, identified as 3 and 4, each with a maximum capacity of 300 tons of slag per hour with emissions controlled by water sprays.

(c) Four (4) three deck screens, identified as TDS-1, TDS-2, TDS-3 and TDS-4, with a maximum capacity of 577, 577,300 and 300 tons of slag per hour, respectively with emissions controlled by water sprays.

(d) One (1) single deck screen, identified as SDS-1, with a maximum capacity of 119 tons of slag per hour, with emissions controlled by water sprays.

(e) One (1) single deck screen, identified as SDS-2, with a maximum capacity of 126 tons of slag per hour, with emissions controlled by water sprays.

(f) One (1) primary crusher (standard cone crusher), identified as PC-1, with a maximum capacity of 294 tons of slag per hour, with emissions controlled by water sprays.

(g) One (1) secondary crusher (short head crusher), identified as SC-1, with a maximum capacity of 209 tons of slag per hour, with emissions controlled by water sprays.

(h) Four (4) stackers, identified as S-1, S-2, S-3 and S-4, with a maximum capacity of 328, 225, 136 and 119 tons of slag per hour, respectively, with emissions controlled by water sprays.

(i) One (1) conveyor, identified as C-1, with a maximum capacity of 650 tons of slag per hour, with emissions controlled by water sprays.

(j) One (1) conveyor, identified as C-2, with a maximum capacity of 1,154 tons of slag per hour, with emissions controlled by water sprays.

(k) Two (2) conveyors, identified as C-3 and C-4, each with a maximum capacity of 300 tons of slag per hour, with emissions controlled by water sprays.

(l) Three (3) conveyors, identified as C-5, C-6 and C-7, with a maximum capacity of 51, 209 and 294 tons of slag per hour, respectively, with emissions controlled by water sprays.

(m) Three (3) conveyors, identified as C-8, C-9 and C-10, with a maximum capacity of 504, 600 and 600 tons of slag per hour, respectively, with emissions controlled by water sprays.

(n) Two (2) conveyors, identified as C-11 and C-1, each with a maximum capacity of 60 tons of slag per hour, with emissions controlled by water sprays.

(o) Eight (8) conveyors, identified as C-13, C-14, C-15, C-16, C-18, A, B and C, with a maximum capacity of 136, 225, 119, 120, 225, 131, 224 and 16 tons of slag per hour, respectively., with emissions controlled by water sprays.

(p) Fugitive emissions from unpaved roads controlled by dust suppression, either material loading and unloading and storage piles controlled by water sprays.

Crushing, screening and conveying mobile equipment, approved for construction in 2009 through SSM 089-28293-00133, each equipment with a throughput capacity of 300 tons per hour:

(a) Three (3) feeders

(b) Three (3) Tertiary Crushing operations

(c) Nine (9) conveyors

(d) Six (6) shuttle conveyors

(e) Two (2) magnet conveyors

(f) One (1) plug mill

(g) Five (5) screens

(h) Unpaved road

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

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

D.1.1 Particulate Emission Offset Minor Limitation [326 IAC 2-3]

Pursuant to the CP 089-9113-00133, issued January 26, 1998, the input of slag to the stationary crushing, screening and conveying plant shall not exceed 3,300,000 tons per 12 consecutive month period with compliance determined at the end of each month. This processing limitation is equivalent to PM and PM_{10} emissions of 5.0 and 2.3 pounds per hour respectively. Therefore, compliance with this limit makes 326 IAC 2-3 Emission Offset requirements not applicable.

D.1.2 Particulate Limitation [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to the SSM 089-28293-00133, the total input of the materials for single and series of operations at the equipment approved under SSM 089-28293-00133 shall not exceed 795,000 tons per 12 consecutive month period with compliance determined at the end of each month.

Compliance with the above limit in conjunction with condition D.3.1 shall limit the PM and PM10 PTE of the modification approved under SSM 089-28293-00133 to less than 25 and 15 tons per year, respectively Therefore, PSD requirements are not applicable to the SSM 089-28293-00133.

Compliance with the above limit in conjunction with condition D.3.1 shall limit the PM2.5 PTE of the modification approved under SSM 089-28293-00133 to less than 10 tons per year. Therefore, 326 IAC 2-1.1-5 (Nonattainment New Source Review) requirements are not applicable to the SSM 089-28293-00133.

D.1.3 Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6-4-2:

(1) The crushing, screening and conveying generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:

(A) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100 (R) - U)}{U}$$

Where
P = Percentage increase
R = Number of particles of fugitive dust measured at downward receptor site
U = Number of particles of fugitive dust measured at upwind or background site

(B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where
N = Fraction of fugitive dust that is respirable dust;
PR = allowable percentage increase in dust concentration above background; and
P = no value greater than sixty-seven percent (67%).

(C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

(D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.

(2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.

(b) Pursuant to 326 IAC 6.8-10-3 Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the crushing, screening and conveying generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the crushing, screening and conveying operations.

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

D.1.5 Fugitive Dust Control

(a) Pursuant to CP 089-9113-00133, issued January 26, 1998, the water spray control for fugitive particulate emissions from the crushing, screening, transferring and conveying operations shall be in operation as needed and weather permitting when the crushing, screening, transferring and conveying operations are being performed.

(b) Pursuant to CP 089-9113-00133, issued January 26, 1998, the dust suppression used as control for the fugitive particulate emissions from the fugitive dust sources shall be applied as often as necessary to control fugitive dust.

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

D.1.6 Visible Emissions Notations

(a) Visible emission notations of the crushing, screening, transferring and conveying operations shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.7 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records of the slag input.

(b) To document compliance with Condition D.1.2, the Permittee shall maintain records of the total input of the materials for single and series of operations at the equipment approved under SSM 089-28293-00133.

(c) To document compliance with Condition D.1.6, the Permittee shall maintain records of once per day visible emission notations for the crushing, the screening and conveying operations.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.7 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically Regulated insignificant activities include the following:

(a) Two (2) metal inert gas (MIG) welding stations, identified as MIGW-1 and MIGW-2, each with a maximum wire consumption of 7 pounds per hour, used for maintenance purposes only;

(b) Six (6) stick welding stations, identified as SW-1 through SW-6, each with a maximum electrode usage of 7 pounds per hour, used for maintenance only;

(c) One (1) cold cleaner operation used for maintenance purposes only.

(1) One (1) parts washer, identified as unit 3, with a maximum capacity of 0.1 gallon evaporation rate per day; and

(2) One (1) parts washer, identified as unit 4, with a maximum capacity of 0.1 gallon evaporation rate per day.

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

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

D.2.1 Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6-4-2:

(1) The metal inert gas (MIG) welding stations, MIGW-1 and MIGW-2 and stick welding stations, SW-1 through SW-6 generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:

(A) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$\frac{P = 100 (R) - U)}{U}$$

Where
P = Percentage increase
R = Number of particles of fugitive dust measured at downward receptor site
U = Number of particles of fugitive dust measured at upwind or background site

(B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where
N = Fraction of fugitive dust that is respirable dust;
PR = allowable percentage increase in dust concentration above background; and

P = no value greater than sixty-seven percent (67%).

(C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

(D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.

(2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.

(b) Pursuant to 326 IAC 6.8-10-3 Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the metal inert gas (MIG) welding stations, MIGW-1 and MIGW-2 and stick welding stations, SW-1 through SW-6 generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.2.2 Volatile Organic Compounds (VOC) 326 IAC 8-3-2 (Cold Cleaner Operations),

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.2.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)]

(a) Pursuant to CP 089-9113-00133 and 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control)], the Permittee of a cold cleaner degreaser operation without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.2.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-8] (Material Requirements for Cold Cleaning Degreasers)

Pursuant to 326 IAC 8-3-8 (Material requirements for cold cleaning degreasers), the users, providers, and manufacturers of solvents for use in cold cleaning degreasers in Lake County, except for solvents intended to be used to clean electronic components shall do the following:

(a) On and after November 1, 1999, no person shall Operate a cold cleaning degreaser with a solvent vapor pressure that exceeds two (2) millimeters of mercury (thirty-eight thousandths (0.038) pound per square inch) measured at twenty (20) degrees Celsius

(sixty-eight (68) degrees Fahrenheit).

(b) On and after May 1, 2001, no person shall Operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(c) On and after November 1, 1999, all persons subject to the requirements of 326 IAC 8-3-8 (c)(1)(B) and (c)(2)(B) shall maintain each of the following records for each purchase:

(1) The name and address of the solvent supplier.

(2) The date of purchase.

(3) The type of solvent.

(4) The volume of each unit of solvent.

(5) The total volume of the solvent.

(6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(d) All records required by 326 IAC 8-3-8 (d) shall be retained on-site for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

Diesel Generators
Eight (8) diesel generators, with a rated horse power of 250, 150, 175, 200, 275, 480, 450, and 300, respectively, approved for installation in 2009.

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

D.3.1 Fuel Usage Limitation [326 IAC 2-2] [326 IAC 2-1.1-5] [326 IAC 2-3]

Pursuant to SSM 089-28293-00133, the total diesel fuel usage at eight (8) diesel generators shall not exceed 116,986 gallons per twelve consecutive month period with compliance determined at the end of each month.

Compliance with the above limit in conjunction with condition D.1.2 shall limit the PM and PM10 PTE of the modification approved under SSM 089-28293-00133 to less than 25 and 15 tons per year, respectively. Therefore, PSD requirements are not applicable to the SSM 089-28293-00133.

Compliance with the above limit shall limit the NOx PTE of the modification approved under SSM 089-28293-00133 to less than 40 tons per year. Therefore, PSD requirements are not applicable to the SSM 089-28293-00133.

Compliance with the above limit in conjunction with condition D.1.2 shall limit the PM2.5 PTE of the modification approved under SSM 089-28293-00133 to less than 10 tons per year. Therefore, 326 IAC 2-1.1-5 (Nonattainment New Source Review) requirements are not applicable to the SSM 089-28293-00133.

Compliance with the above limit shall limit the VOC PTE of the modification approved under SSM 089-28293-00133 to less than 25 tons per year. Therefore, Emission Offset requirements are not applicable to the SSM 089-28293-00133.

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

D.3.2 Record Keeping Requirements

To document compliance with Condition D.3.1, the Permittee shall maintain the total diesel fuel usage at eight (8) diesel generators.

D.3.3 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.3.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

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

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: South Shore Slag LLC - an on-site contractor of US Steel - Gary Works
Source Address: One North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133

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
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: South Shore Slag LLC - an on-site contractor of US Steel - Gary Works
Source Address: One North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133

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) 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 Describe:
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: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: South Shore Slag LLC - an on-site contractor of US Steel - Gary Works Source
Address: 1 North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133
Facility: Slag crushing, screening and conveying plant
Parameter: granule process rate
Limit: 3,300,000 tons per 12 consecutive month period with compliance demonstrated at the end of each month

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.

☐ Deviations occurred in this quarter.

Deviation has been reported on:_____

Submitted by: _____

Title / Position _____

Signature _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: South Shore Slag LLC - an on-site contractor of US Steel - Gary Works Source
Address: 1 North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133
Facility: Material processing equipment, approved for construction through SSM 089-28293-00133
Parameter: the total input of the materials for single and series of operations at the equipment approved under SSM 089-28293-00133
Limit: 795,000 tons per 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.

☐ Deviations occurred in this quarter.

Deviation has been reported on:_____

Submitted by: _____

Title / Position _____

Signature _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: South Shore Slag LLC - an on-site contractor of US Steel - Gary Works Source
Address: 1 North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133
Facility: Eight (8) diesel generators
Parameter: total diesel fuel usage
Limit: 116,986 gallons per 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.

☐ Deviations occurred in this quarter.

Deviation has been reported on:_____

Submitted by: _____

Title / Position _____

Signature _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: South Shore Slag LLC - an on-site contractor of US Steel – Gary Works
Source Address: One North Buchanan, Gary, Indiana 46402
Mailing Address: P.O. Box 540, Portage, Indiana 46368
Part 70 Permit No.: T089-7719-00133

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. . A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
9 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:	

Page 2 of 2

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: _____

Attach a signed certification to complete this report.

Attachment A

Fugitive Dust Control Plan (FDCP)

South Shore Slag LLC
1 North Buchanan
Gary, Indiana 46402

Operation Permit No. T089-7719-000133

SOUTH SHORE SLAG LLC

A CONTRACTOR OF US STEEL GARY
GARY, INDIANA

FUGITIVE DUST CONTROL PLAN
326 IAC 6.8-10-4
Lake County

REVISION 1

August 17, 2009

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

Fugitive Dust Control Plan
South Shore Slag LLC, a contractor of US Steel Gary Works
Gary, IN

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Storage Piles-Slag Plant Processing [326 IAC 6.8-10-4(3)(D)(ii)] 1

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Appendix B Sample Documentation Log (see onsite plan copy)

Introduction and Facility Description [326 IAC 6.8-10-4(3)(A)(B)&(C)]

This Fugitive Dust Control Plan (FDCP) is written in accordance with 326 IAC 6.8-10-4. This source is located in Lake County, Indiana. South Shore Slag LLC (South Shore), a subsidiary of Beemsterboer Slag Corp, owns and operates slag and material processing operations located within the US Steel (USS) Gary Works facility in Gary, Indiana. USS Gary Works is a fully integrated steelmaking and finishing facility. Even though the two facilities are considered to be one source due to contractual control, South Shore operates under its own Part 70 permit. The operating manager of this facility is responsible for the execution of this plan.

Roadways and Parking Lots-Slag Plant Processing [326 IAC 6.8-10-4(3)(D)(i)]

All roadways that are under control of the South Shore facility are approximately 30 feet wide with varying lengths. Appendix A figures show the approximate location and designation of each roadway. Trucks and front-end loaders are utilized for transportation of materials throughout the facility. Employee passenger vehicles and passenger trucks will be parked at the facility in makeshift unpaved parking areas. Refer to the facility's Part 70 Permit for fugitive dust roadway calculations.

Roadways and Parking Lots-Other Material Processing [326 IAC 6.8-10-4(3)(D)(i)]

All roadways in these various material processing areas are owned and operated by US Steel, and therefore, under their FDCP. Material processing does not take place with the leased property boundary of the South Shore slag plant. South Shore is not responsible for the roadways in the Gary Works plant. Only dozers are used for very short distances in these areas as needed, therefore, no South Shore material hauling trucks are used while processing materials within Gary Works. Refer to the facility's Part 70 Permit for fugitive dust roadway calculations.

Storage Piles-Slag Plant Processing [326 IAC 6.8-10-4(3)(D)(ii)]

Feed materials are brought to the South Shore site as needed and are stored in various locations onsite and will move within a general area throughout the year. Product materials are stored in various locations on the facility site and product pile locations will

move within a general area throughout the year. Appendix A figures show the general locations of these storage areas. Front-end loaders and stacking conveyors are used to load onto and load out of the storage piles. The moisture content of all materials stored on site is on average 0.92% moisture or greater in accordance with AP-42 13.2.4-1 and greatly depends on atmospheric precipitation throughout the year. South Shore has a limited production throughput as stated in their Part 70 Permit.

Storage Piles-Other Material Processing [326 IAC 6.8-10-4(3)(D)(ii)]

Feed stock and products for other material processing are stored at the various processing locations in Gary Works which are owned and operated by US Steel. South Shore is not responsible for the management of these areas. Refer to the US Steel Part 70 Permit requirements for FDCP.

Slag Plant Processing Description [326 IAC 6.8-10-4(3)(D)(iii)]

Slag is moved through a crusher and then through a series of screens for sizing using various conveyors and stackers. Water sprays or watering trucks are utilized, as needed, in the plant which provides 75-90% control efficiency.

Other Material Processing Description [326 IAC 6.8-10-4(3)(D)(iii)]

US Steel periodically requests various materials to be processed by South Shore. These materials may be processed through crushers and screens using various conveyors and/or stackers based on the needs of US Steel. Some applications may not include crushing or screening but simply stacking using various conveyors and stackers. Water sprays or watering trucks are utilized, as needed, at these locations which provide 75-90% control efficiency.

Control Measures and Practices [326 IAC 6.8-10-4(3)(E)&(F)]

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

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

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

A-I. Slag Plant-Roadways and Processing Yard

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

A-II. Slag Plant-Process Operations

To help minimize dust emissions, the drop distance at each conveyor transfer point in the plant will be set at the minimum distance in which the equipment can operate effectively. Water application will be utilized, when needed and weather permitting, at strategic locations throughout the plant to control dust emissions. During water application, caution must be taken to avoid saturating the material which results in blinding the screens or crushers.

A-III. Slag Plant-Storage Piles

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

A-IV. Slag Plant-Loading and Transfer; Trucks and Front-End Loaders

Trucks and/or feeders will be loaded in a manner to reduce or prevent materials from blowing or otherwise escaping. This may be accomplished by loading the vehicle and/or

feeder with the center of gravity for the load at a safe distance below the top of the sideboard. Drop heights for front-end loader buckets will be held within a few feet above the sideboard of the truck and/or feeder during loading.

B-I. Material Processing-Roadways and Processing Yard

All roadways in these various material processing areas are owned and operated by US Steel, and therefore, under their FDCP. Material processing does not take place with the leased property boundary of the South Shore slag plant. South Shore is not responsible for the roadways in the Gary Works plant. Only dozers are used for very short distances in these areas as needed, therefore, no South Shore material hauling trucks are used while processing materials within Gary Works. However, while in the area South Shore may opt to utilize water application when needed and weather permitting, at strategic locations to control dust emissions.

B-II. Material Processing-Operations

To help minimize dust emissions, the drop distance at each conveyor transfer point in the plant will be set at the minimum distance in which the equipment can operate effectively. Water application will be utilized, when needed and weather permitting, at strategic locations throughout the plant to control dust emissions. During water application, caution must be taken to avoid saturating the material which results in blinding the screens or crushers.

B-III. Material Processing-Storage Piles

Feed and product storage piles are under the control of US Steel Gary Works. However, while stacking South Shore may utilize water application when needed and weather permitting, at strategic locations to control dust emissions.

B-IV. Material Processing-Loading and Tranfer; Trucks and Front-End Loaders

Trucks and/or feeders will be loaded in a manner to reduce or prevent materials from blowing or otherwise escaping. This may be accomplished by loading the vehicle and/or feeder with the center of gravity for the load at a safe distance below the top of the

sideboard. Drop heights for front-end loader buckets will be held within a few feet above the sideboard of the truck and/or feeder during loading. (Hauling trucks are not used by South Shore for material processing. They are under the control of US Steel.)

Schedule of Compliance [326 IAC 6.8-10-4(3)(G)]

South Shore has already implemented the provisions of this control plan. This plan will be revised if any significant process changes occur that would affect the control measures and practices for these facilities. Any revision to this plan requires an administrative amendment to the Part 70 Permit.

Documentation, Record Keeping and Reporting [326 IAC 6.8-10-4(4)]

Records will be maintained to document control measures and activities in accordance with 326 IAC 6-5-5 (b). These records may be kept as part of the facility's daily maintenance logs. These records include:

- documentation of water applications (roadways applied, time, width, method, quantity of water applied);
- documentation of chemical applications, if any (roadways applied, time, rate of application, concentration, volume of chemical applied, MSDS), and;
- incidents where control plan was not followed and explanation.

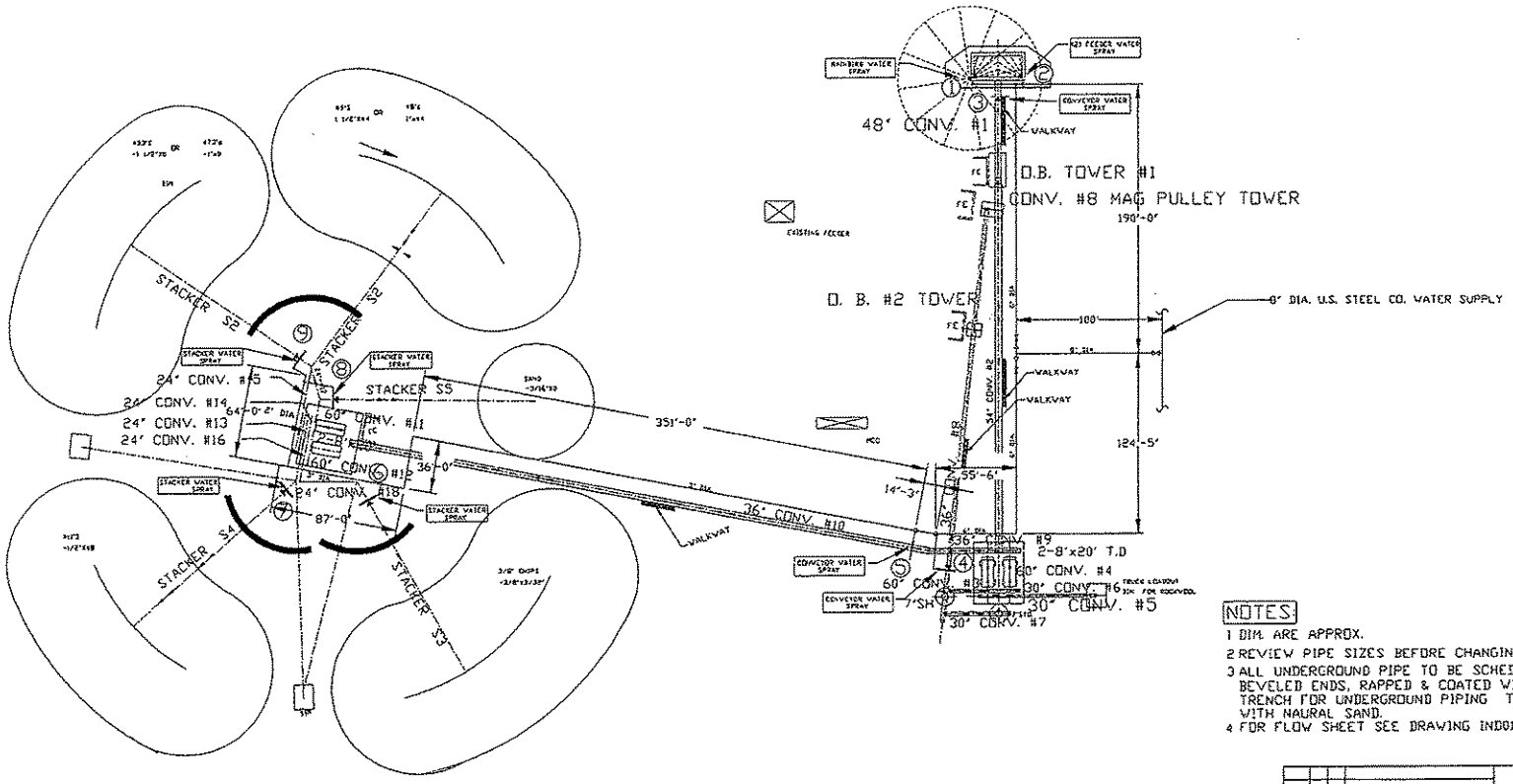
These records will be available upon the request of the commissioner and shall be retained for five (5) years.

A quarterly report shall be submitted in accordance with 326 IAC 6.8-10-4(4)(G) which includes:

- dates any required control measures were not implemented;
- listing of these control measures;
- reasons that control measures were not implemented, and;
- any corrective actions taken.

APPENDIX A

SITE MAPS



NOTES

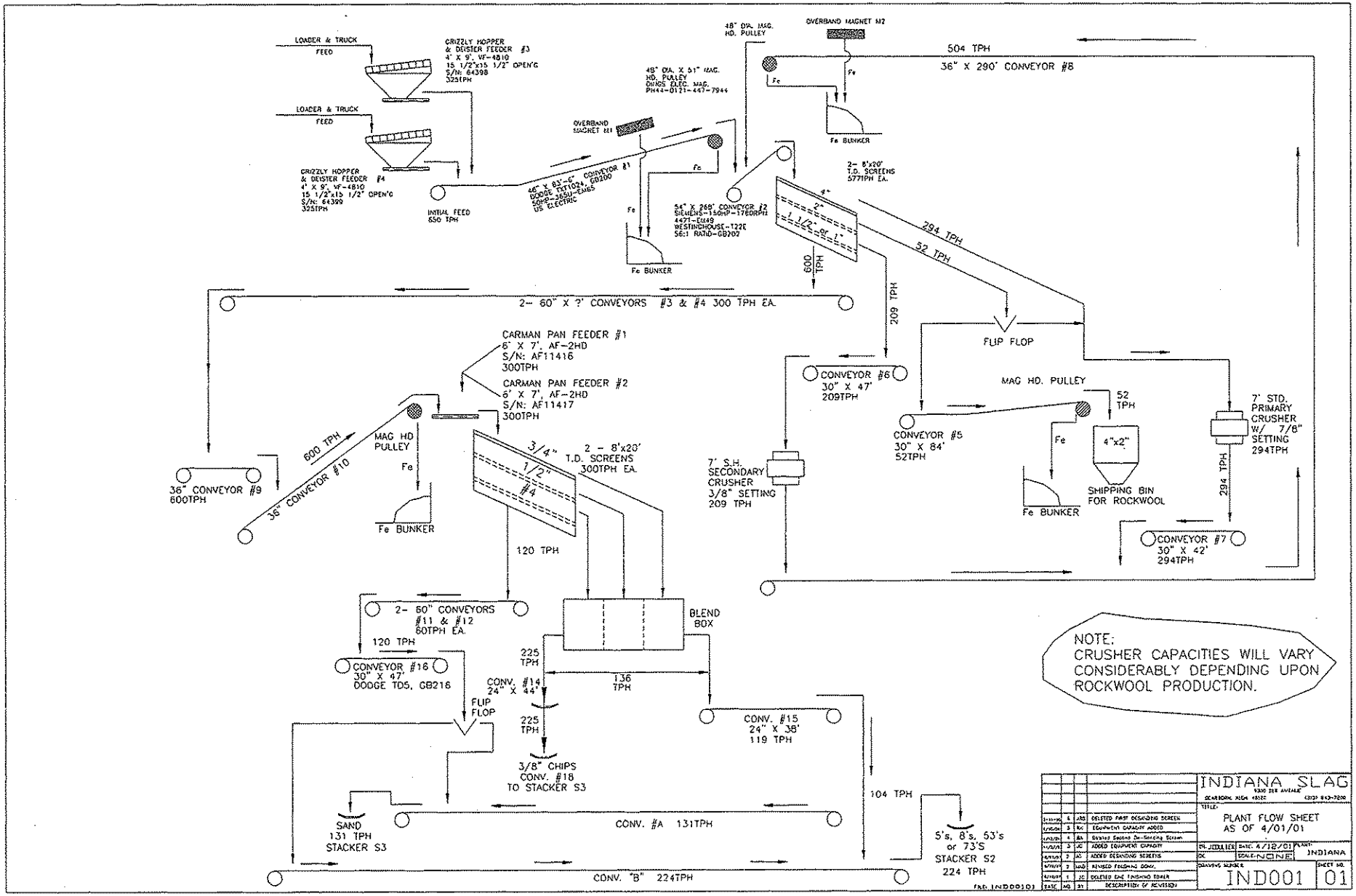
1 DIM. ARE APPROX.

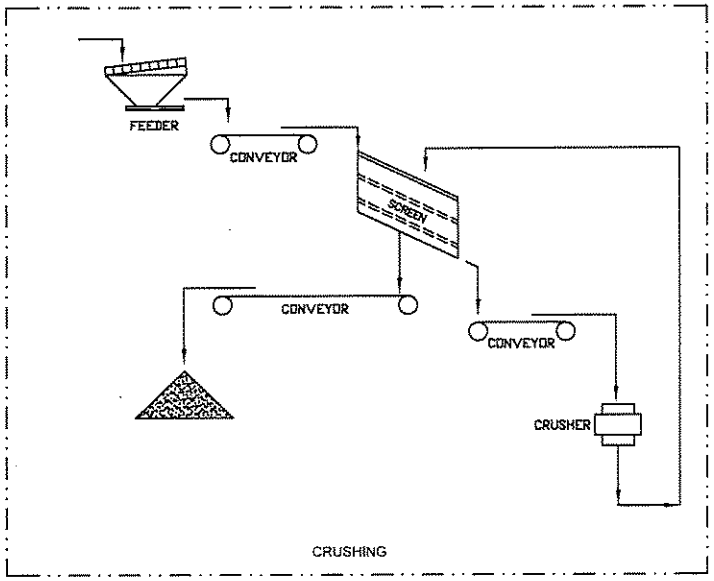
2 REVIEW PIPE SIZES BEFORE CHANGING LAYOUT

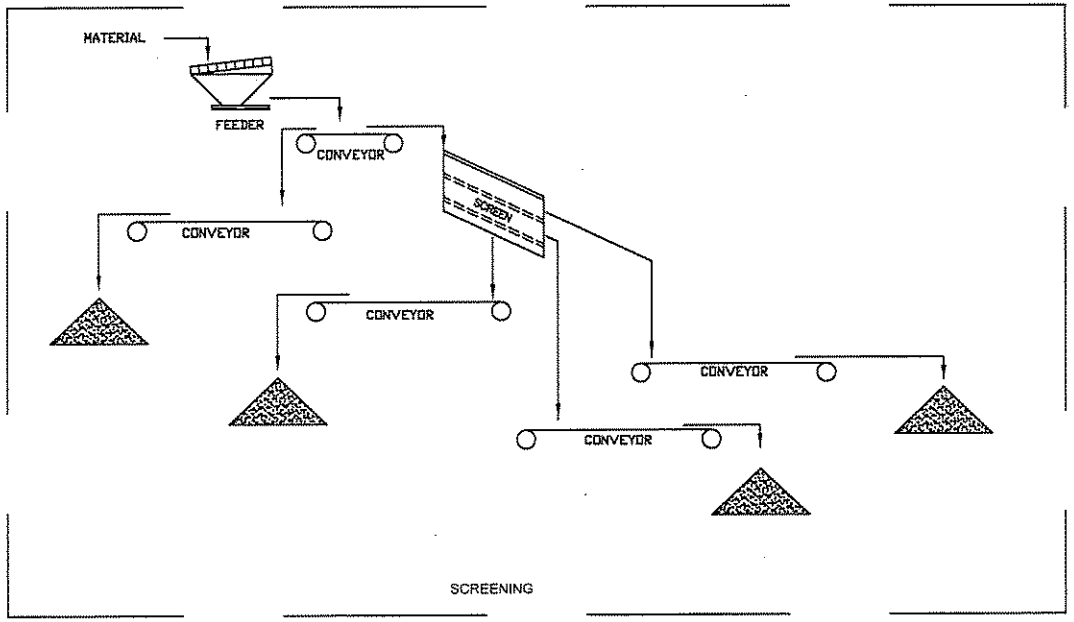
3 ALL UNDERGROUND PIPE TO BE SCHED. 40 BUTT WELD, BEVELED ENDS, RAPPED & COATED WITH TAR. TRENCH FOR UNDERGROUND PIPING TO BE BACKFILLED WITH WITH NAURAL SAND.

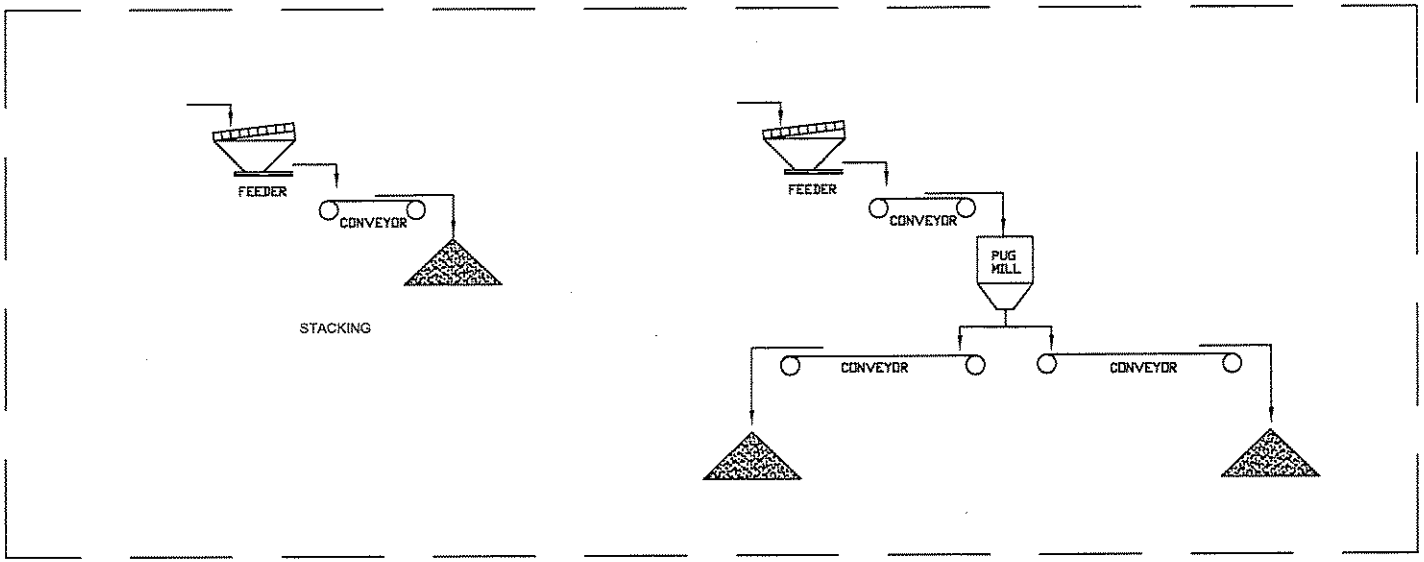
4 FOR FLOW SHEET SEE DRAWING IND011 SHEET 01

			INDIANA SLAG
			TITLE: WATER SPRAYS EMMISION CONTROL
			DR. JRG DATE: 3-14-97 SCALE: 1"=40'
			DRAWING NUMBER IND001
			SHEET NO. 09
1	K.B	ADDED PIPING	
DATE	NO.	BY	DESCRIPTION OF REVISION


LOADER & TRUCK FEED
GRIZZLY HOPPER & DEISTER FEEDER #3 4' X 9', VF-4810 15 1/2"x15 1/2" OPEN'G S/N: 64398 325TPH
LOADER & TRUCK FEED
GRIZZLY HOPPER & DEISTER FEEDER #4 4' X 9', VF-4810 15 1/2"x15 1/2" OPEN'G S/N: 64399 325TPH
INITIAL FEED 650 TPH
OVERBAND MAGNET #1
46" X 83'-6" CONVEYOR #1 DODGE TXT1024, GB200 50HP-365U-EMS US ELECTRIC
48" DIA. X 51" MAG. HD. PULLEY OHIO ELEC. MAG. PH44-0121-447-7944
54" X 269' CONVEYOR #2 SIEMENS-150HP-1780RPM 447T-EC49 WESTINGHOUSE-122E 56:1 RATIO-GB202
Fe BUNKER
48" DIA. MAG. HD. PULLEY
OVERBAND MAGNET M2
504 TPH
36" X 290' CONVEYOR #8
Fe BUNKER
2- 8'x20' T.D. SCREENS 577TPH EA.
4" 2" 1 1/2" or 1"
600 TPH
294 TPH
52 TPH
209 TPH
2- 60" X ?' CONVEYORS #3 & #4 300 TPH EA.
CARMAN PAN FEEDER #1 6' X 7', AF-2HD S/N: AF11416 300TPH
CARMAN PAN FEEDER #2 6' X 7', AF-2HD S/N: AF11417 300TPH
FLIP FLOP
CONVEYOR #6 30" X 47' 209TPH
MAG HD. PULLEY
52 TPH
CONVEYOR #5 30" X 84' 52TPH
4"x2"
SHIPPING BIN FOR ROCKWOOL
Fe BUNKER
7' STD. PRIMARY CRUSHER W/ 7/8" SETTING 294TPH
294 TPH
CONVEYOR #7 30" X 42' 294TPH
7' S.H. SECONDARY CRUSHER 3/8" SETTING 209 TPH
600 TPH
36" CONVEYOR #10
MAG HD PULLEY
Fe BUNKER
36" CONVEYOR #9 600TPH
3/4" 1/2" #4
2 - 8'x20' T.D. SCREENS 300TPH EA.
120 TPH
2- 60" CONVEYORS #11 & #12 60TPH EA.
BLEND BOX
120 TPH
CONVEYOR #16 30" X 47' DODGE TD5, GB216
225 TPH
136 TPH
CONV. #14 24" X 44'
FLIP FLOP
225 TPH
3/8" CHIPS CONV. #18 TO STACKER S3
CONV. #15 24" X 36' 119 TPH
104 TPH
SAND 131 TPH STACKER S3
CONV. #A 131TPH
5's, 8's, 53's or 73'S STACKER S2 224 TPH
CONV. "B" 224TPH
NOTE: CRUSHER CAPACITIES WILL VARY CONSIDERABLY DEPENDING UPON ROCKWOOL PRODUCTION.
INDIANA SLAG
PLANT FLOW SHEET AS OF 4/01/01
DATE: 4/12/01
SCALE: NONE
INDIANA
IND001
01







THESE OPERATING DIAGRAMS DEPICT LIKELY OR POSSIBLE OPERATING CONFIGURATIONS, BUT IS NOT LIMITED TO OTHER CONFIGURATIONS OR COMBINATIONS OF TWO TOGETHER FOR MATERIAL PROCESSING.

REFER TO "SECTION D.2 MATERIAL PROCESSING" IN THE PERMIT FOR A COMPLETE EQUIPMENT LIST. NONE OF THE PROCESSING OPERATIONS WILL CONTAIN ALL OF THE EQUIPMENT LISTED IN D.2 IN ANY GIVEN MATERIAL PROCESSING AREA. THESE WILL VARY DEPENDING ON THE MATERIAL TO BE PROCESSED. PROCESSING TAKES PLACE AT VARIOUS LOCATIONS IN THE MILL AND MAY USE ANY CONFIGURATION(S) OF THE EQUIPMENT LISTED IN THE PERMIT.

OCS Environmental, Inc.
130 Lincoln Street, Suite 1
Porter, Indiana 46304
Phone - (219) 983-1400
Fax - (219) 983-1414

SOUTH SHORE SLAG
USS GARY WORKS FACILITY
FUGITIVE DUST CONTROL PLAN
PROCESS FLOW DIAGRAM - MATERIAL PROCESSING

DRAWN: SSG	SCALE: NOT TO SCALE	DATE: 08/25/2009	
CHECKED: LKC	FILE: 20090825 MaterialProcessingPFD.dwg		
SOR: BEEM09001			

South Shore Slag - Material Processing Equipment List

Equipment List	Max Capacity (tph)
One Feeder, 300 tph or less	300
One Feeder, 300 tph or less	300
One Feeder, 300 tph or less	300
One Crusher, 300 tph or less	300
One Crusher, 300 tph or less	300
One Crusher, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Shuttle Conveyor, 300 tph or less	300
One Magnet, 300 tph or less	300
One Magnet, 300 tph or less	300
One Pug Mill, 300 tph or less	300
One Screen, 300 tph or less	300
One Screen, 300 tph or less	300
One Screen, 300 tph or less	300
One Screen, 300 tph or less	300
One Screen, 300 tph or less	300

Generator List	Max Capacity (hp)
One Generator, 250 Hp or less	250
One Generator, 150 Hp or less	150
One Generator, 175 Hp or less	175
One Generator, 200 Hp or less	200
One Generator, 275 Hp or less	275
One Generator, 480 Hp or less	480
One Generator, 450 Hp or less	450
One Generator, 300 Hp or less	300

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Dave Oram
South Shore Slag LLC
3411 Sheffield Avenue
Hamond, Indiana 46327

DATE: January 19, 2010

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

SUBJECT: Final Decision
Part 70
089-28755-00133

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 1/19/2010 USS -South Shore Slag LLC-contractor of US Steel 089-28755-00133 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **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		Dave Oram USS -South Shore Slag LLC-contractor of US Steel 3411 Sheffield Ave Hammond IN 46327-1004 (Source CAATS)									
2		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 *(Affected Party)*									
3		Gary Mayors Office 401 Broadway # 203 Gary IN 46402 *(Local Official)*									
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		Lake County Fish and Game Association P.O. Box 1006 Hammond IN 46325 *(Affected Party)*									
7		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 *(Affected Party)*									
8		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)*									
9		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 *(Affected Party)*									
10		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 *(Affected Party)*									
11		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)*									
12		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 *(Affected Party)*									
13		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)									
14		Northwestern In Regional Planning Com (NIRPC) 6100 Southport Road Portage IN 46368 *(Affected Party)*									
15		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 *(Affected Party)*									

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***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.

FACSIMILIE OF PS Form 3877

Mail Code 61-53

IDEM Staff	CDENNY 1/19/2010 USS -South Shore Slag LLC-contractor of US Steel 089-28755-00133 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **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		Barbara G. 506 Lilac Street East Chicago IN 46312 (Affected Party)									
2		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 *(Affected Party)*									
3		General Manager US Steel One North Broadway Gary IN 46402 *(Source ? addl contact)*									
4		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 *(Affected Party)*									
5		Calumet Township Trustee 35 E 5th Avenue Gary IN 46402 *(Affected Party)*									
6		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(Affected Party)*									
7		Gary City Council 401 Broadway # 209 Gary IN 46402 *(Local Official)*									
8											
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***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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