



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: December 28, 2012

RE: Metal Services LLC dba Phoenix Services, LLC / 127-32224-00026

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

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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.



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December 28, 2012

Mr. Clint McGinty
Metal Services LLC dba Phoenix Services LLC
Manager-Health, Safety and Environment
148 West State Street, Suite 301
Kennett Square, PA 19348

Re: 127-32224-00026
Significant Permit Modification to
Part 70 No.: 127-29719-00026

Dear Mr. McGinty:

Metal Services LLC dba Phoenix Services LLC was issued a Part 70 Administrative Operating Permit Renewal on July 1, 2011 for a blast furnace and basic oxygen furnace slag finishing operation and separation plant. A letter requesting changes to this permit was received on July 19, 2012. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of adding in the permit new material processing equipment that was permitted for construction under significant source modification No. 127-32132-00026.

The Office of Air Quality has been notified that Mr. Tony Cunningham has become the Responsible Official at Metal Services LLC dba Phoenix Services LLC.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance.

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 Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments:

Updated Permit
Technical Support Document
PTE Calculations

mns

cc: File – Porter County
Porter County Health Department
Compliance and Enforcement Managers

Susan Grenzebach
ST Environmental, LLC
209 S. Calumet, Suite 5
Chesterton, IN 46034



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Part 70 Administrative Operating Permit Renewal OFFICE OF AIR QUALITY

**Metal Services, LLC dba Phoenix Services, LLC -
a contractor of ArcelorMittal Burns Harbor, LLC
U.S. Highway 12
Burns Harbor, Indiana 46304**

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the emission units 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.

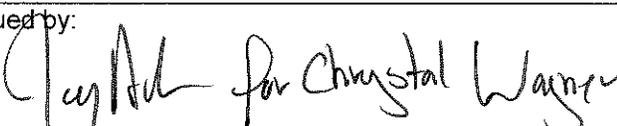
Operation Permit No.: 127-29719-00026	
Issued by/Original signed by: Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 1, 2011 Expiration date: July 1, 2016
Administrative Amendment No.: 127-31251-00026, issued December 27, 2011 Administrative Amendment No.: 127-31628-00026, issued April 16, 2011	
Significant Permit Modification No.: 127-32224-00026	
Issued by:  Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 28, 2012 Expiration date: July 1, 2016

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SECTION A

SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the emission units contained in conditions A.1, A.3, and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this approval 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)]

The Permittee owns and operates a blast furnace and basic oxygen furnace slag finishing operation and separation plant.

Source Address:	U.S. Highway 12, Burns Harbor, Indiana 46304
General Source Phone Number:	(219) 787-8666
SIC Code:	3295
County Location:	Porter
Source Location Status:	Nonattainment for Ozone Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD and Emission Offset Major Source, Section 112 of the Clean Air Act 1 of 28 Listed Source Categories

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

Metal Services, LLC dba Phoenix Services, LLC, operates this slag finishing operation and separation plant, and is a contractor of ArcelorMittal Burns Harbor, LLC:

- (a) ArcelorMittal Burns Harbor, LLC (plant ID 127-00001), the primary operation, is located at U.S. Highway 12, Burns Harbor, Indiana; and
- (b) The Metal Services, LLC dba Phoenix Services, LLC (plant ID 127-00026), the secondary operation, is located at U.S. Highway 12, Burns Harbor, Indiana.

Separate Part 70 permits have been issued to ArcelorMittal Burns Harbor, LLC (TV 127-6301-00001) and Metal Services, LLC dba Phoenix Services, LLC (TV 127-29719-00026) 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)]

Metal Services, LLC dba Phoenix Services, LLC, operates the following emission units and pollution control devices:

Burns Harbor Site

- (a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.
- (b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.
- (c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.
- (d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:
 - (A) One (1) step deck feeder (F1), with a capacity of 1500 tph

(B) Crushing

- (1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
- (2) One (1) conveyor (C5), with a capacity of 500 tph
- (3) One (1) mag/pendulum head pulley (C5)
- (4) One (1) dual finger gate splitter at C5
- (5) One (1) dual finger gate splitter at Crusher/Impactor
- (6) One (1) pan feeder (F3), with a capacity of 510 tph
- (7) One (1) pan feeder (F4), with a capacity of 500 tph
- (8) One (1) jaw crusher, with a capacity of 500 tph
- (9) One (1) impactor, with a capacity of 500 tph
- (10) One (1) conveyor (C6A), with a capacity of 500 tph
- (11) One (1) conveyor (C6B), with a capacity of 500 tph

(C) Screening

- (1) One (1) conveyor (C1), with a capacity of 1500 tph
- (2) One (1) 150-ton bin, with a capacity of 1500 tph
- (3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
- (4) One (1) conveyor (C2), with a capacity of 1500 tph
- (5) One (1) mag head pulley (C2)
- (6) One (1) dual finger gate splitter at C2
- (7) One (1) dual finger gate splitter at F6/F7
- (8) One (1) feeder (F6), with a capacity of 750 tph
- (9) One (1) feeder (F7), with a capacity of 750 tph
- (10) One (1) conveyor (C3A), with a capacity of 750 tph
- (11) One (1) conveyor (C3B), with a capacity of 750 tph
- (12) One (1) triple chute gate splitter at S1/S2/S3
- (13) One (1) screen (S1), with a capacity of 750 tph
- (14) One (1) dual finger gate splitter at S1
- (15) One (1) conveyor (C7A), with a capacity of 500 tph
- (16) One (1) screen (S2), with a capacity of 750 tph
- (17) One (1) dual finger gate splitter at S2
- (18) One (1) conveyor (C7B), with a capacity of 500 tph
- (19) One (1) screen (S3), with a capacity of 750 tph
- (20) One (1) dual finger gate splitter at S3
- (21) One (1) conveyor (C7C), with a capacity of 500 tph
- (22) One (1) conveyor (C11A), with a capacity of 1000 tph
- (23) One (1) stk conveyor (C15), with a capacity of 1000 tph
- (24) One (1) conveyor (C9), with a capacity of 700 tph
- (25) One (1) stk conveyor (C14), with a capacity of 700 tph
- (26) One (1) conveyor (C8), with a capacity of 400 tph
- (27) One (1) stk conveyor (C13), with a capacity of 178.2 tph
- (28) One (1) mag head pulley (C13), with a capacity of 400 tph
- (29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

- (1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
- (2) One (1) feeder (F8), with a capacity of 700 tph
- (3) One (1) conveyor (C4), with a capacity of 700 tph
- (4) One (1) dual finger gate splitter at C4
- (5) One (1) screen (S4), with a capacity of 350 tph
- (6) One (1) dual finger gate splitter at S4
- (7) One (1) conveyor (C10A), with a capacity of 200 tph
- (8) One (1) screen (S5), with a capacity of 350 tph
- (9) One (1) dual finger gate splitter at S5
- (10) One (1) conveyor (C10B), with a capacity of 200 tph

- (11) One (1) conveyor (C11B), with a capacity of 400 tph
 - (12) One (1) stk conveyor (C17), with a capacity of 400 tph
 - (13) One (1) conveyor (C12), with a capacity of 400 tph
 - (14) One (1) stk conveyor (C16), with a capacity of 400 tph
 - (15) One (1) conveyor (C18), with a capacity of 200 tph
 - (16) One (1) stk conveyor (C19), with a capacity of 200 tph
- (e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:
- (1) One (1) feed hopper (B1), with a capacity of 500 tph
 - (2) One (1) feeder (F9), with a capacity of 500 tph
 - (3) One (1) conveyor (C1), with a capacity of 500 tph
 - (4) One (1) conveyor (C2), with a capacity of 800 tph
 - (5) One (1) crusher, with a capacity of 500 tph
 - (6) One (1) conveyor (C5), with a capacity of 500 tph
 - (7) One (1) screen (S1), with a capacity of 400 tph
 - (8) One (1) conveyor (C3), with a capacity of 150 tph
 - (9) One (1) screen (S2), with a capacity of 400 tph
 - (10) One (1) conveyor (C4), with a capacity of 150 tph
 - (11) One (1) conveyor (C10), with a capacity of 300 tph
 - (12) One (1) stk conveyor (C11), with a capacity of 55 tph
 - (13) One (1) conveyor (C8), with a capacity of 250 tph
 - (14) One (1) mag cross belt (M2)
 - (15) One (1) stk conveyor (C9), with a capacity of 78.375 tph
 - (16) One (1) conveyor (C6), with a capacity of 250 tph
 - (17) One (1) mag cross belt (M1)
 - (18) One (1) stk conveyor (C7), with a capacity of 250 tph
- (f) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:
- (A) Portable Plant 1
 - (1) One (1) conveyor, with a capacity of 600 tph
 - (2) One (1) portable crusher, with a capacity of 600 tph
 - (3) One (1) conveyor, with a capacity of 600 tph
 - (4) One (1) portable screen, with a capacity of 600 tph
 - (5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
 - (6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph
 - (B) Portable boat loader
 - (1) One (1) feed hopper, with a capacity of 1500 tph
 - (2) One (1) conveyor/stacker, with a capacity of 1500 tph
 - (C) Portable stacker
 - (1) One (1) feed hopper, with a capacity of 250 tph
 - (2) One (1) conveyor/stacker, with a capacity of 250 tph
 - (D) Portable screener
 - (1) One (1) screen, with a capacity of 250 tph
 - (2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph

(E) Portable screener

- (1) One (1) feed hopper, with a capacity of 250 tph
- (2) One (1) screen, with a capacity of 250 tph
- (3) One (1) conveyor/stacker, with a capacity of 250 tph

(F) Portable Plant 2

- (1) One (1) grizzly, with a capacity of 500 tph
- (2) One (1) feeder, with a capacity of 500 tph
- (3) One (1) screen, with a capacity of 500 tph
- (4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
- (5) One (1) crusher or impactor, with a capacity of 500 tph
- (6) One (1) magnet

- (g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.
- (h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.
- (i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

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

Metal Services, LLC dba Phoenix Services, LLC, also consists of the following insignificant activities that are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:
 - (1) 17,000 gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
 - (2) 11,000 gallon diesel AST identified as EE001-9012 [326 IAC 8-9];
 - (3) Iron breakup processing identified as EE001-9014.

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, 127-29719-00026, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
 - (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

The Permittee shall implement the PMPs.

- (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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,

Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to 127-29719-00026 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]**

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted

by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

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

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

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
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)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

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

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittees' annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 source does not pay its annual Part 70 permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

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

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

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all

facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

C.12 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.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall 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

no later than ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (c) 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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

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

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

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:
- (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the Part 70 permit.
- Records of required monitoring information include the following:
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.
- These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) 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.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or

326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.
- (b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.
- (c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.
- (d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:
 - (A) One (1) step deck feeder (F1), with a capacity of 1500 tph
 - (B) Crushing
 - (1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
 - (2) One (1) conveyor (C5), with a capacity of 500 tph
 - (3) One (1) mag/pendulum head pulley (C5)
 - (4) One (1) dual finger gate splitter at C5
 - (5) One (1) dual finger gate splitter at Crusher/Impactor
 - (6) One (1) pan feeder (F3), with a capacity of 510 tph
 - (7) One (1) pan feeder (F4), with a capacity of 500 tph
 - (8) One (1) jaw crusher, with a capacity of 500 tph
 - (9) One (1) impactor, with a capacity of 500 tph
 - (10) One (1) conveyor (C6A), with a capacity of 500 tph
 - (11) One (1) conveyor (C6B), with a capacity of 500 tph
 - (C) Screening
 - (1) One (1) conveyor (C1), with a capacity of 1500 tph
 - (2) One (1) 150-ton bin, with a capacity of 1500 tph
 - (3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
 - (4) One (1) conveyor (C2), with a capacity of 1500 tph
 - (5) One (1) mag head pulley (C2)
 - (6) One (1) dual finger gate splitter at C2
 - (7) One (1) dual finger gate splitter at F6/F7
 - (8) One (1) feeder (F6), with a capacity of 750 tph
 - (9) One (1) feeder (F7), with a capacity of 750 tph
 - (10) One (1) conveyor (C3A), with a capacity of 750 tph
 - (11) One (1) conveyor (C3B), with a capacity of 750 tph
 - (12) One (1) triple chute gate splitter at S1/S2/S3
 - (13) One (1) screen (S1), with a capacity of 750 tph
 - (14) One (1) dual finger gate splitter at S1
 - (15) One (1) conveyor (C7A), with a capacity of 500 tph
 - (16) One (1) screen (S2), with a capacity of 750 tph
 - (17) One (1) dual finger gate splitter at S2
 - (18) One (1) conveyor (C7B), with a capacity of 500 tph
 - (19) One (1) screen (S3), with a capacity of 750 tph
 - (20) One (1) dual finger gate splitter at S3
 - (21) One (1) conveyor (C7C), with a capacity of 500 tph
 - (22) One (1) conveyor (C11A), with a capacity of 1000 tph
 - (23) One (1) stk conveyor (C15), with a capacity of 1000 tph

- (24) One (1) conveyor (C9), with a capacity of 700 tph
- (25) One (1) stk conveyor (C14), with a capacity of 700 tph
- (26) One (1) conveyor (C8), with a capacity of 400 tph
- (27) One (1) stk conveyor (C13), with a capacity of 178.2 tph
- (28) One (1) mag head pulley (C13), with a capacity of 400 tph
- (29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

- (1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
- (2) One (1) feeder (F8), with a capacity of 700 tph
- (3) One (1) conveyor (C4), with a capacity of 700 tph
- (4) One (1) dual finger gate splitter at C4
- (5) One (1) screen (S4), with a capacity of 350 tph
- (6) One (1) dual finger gate splitter at S4
- (7) One (1) conveyor (C10A), with a capacity of 200 tph
- (8) One (1) screen (S5), with a capacity of 350 tph
- (9) One (1) dual finger gate splitter at S5
- (10) One (1) conveyor (C10B), with a capacity of 200 tph
- (11) One (1) conveyor (C11B), with a capacity of 400 tph
- (12) One (1) stk conveyor (C17), with a capacity of 400 tph
- (13) One (1) conveyor (C12), with a capacity of 400 tph
- (14) One (1) stk conveyor (C16), with a capacity of 400 tph
- (15) One (1) conveyor (C18), with a capacity of 200 tph
- (16) One (1) stk conveyor (C19), with a capacity of 200 tph

- (e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

- (1) One (1) feed hopper (B1), with a capacity of 500 tph
- (2) One (1) feeder (F9), with a capacity of 500 tph
- (3) One (1) conveyor (C1), with a capacity of 500 tph
- (4) One (1) conveyor (C2), with a capacity of 800 tph
- (5) One (1) crusher, with a capacity of 500 tph
- (6) One (1) conveyor (C5), with a capacity of 500 tph
- (7) One (1) screen (S1), with a capacity of 400 tph
- (8) One (1) conveyor (C3), with a capacity of 150 tph
- (9) One (1) screen (S2), with a capacity of 400 tph
- (10) One (1) conveyor (C4), with a capacity of 150 tph
- (11) One (1) conveyor (C10), with a capacity of 300 tph
- (12) One (1) stk conveyor (C11), with a capacity of 55 tph
- (13) One (1) conveyor (C8), with a capacity of 250 tph
- (14) One (1) mag cross belt (M2)
- (15) One (1) stk conveyor (C9), with a capacity of 78.375 tph
- (16) One (1) conveyor (C6), with a capacity of 250 tph
- (17) One (1) mag cross belt (M1)
- (18) One (1) stk conveyor (C7), with a capacity of 250 tph

- (f) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) Portable Plant 1

- (1) One (1) conveyor, with a capacity of 600 tph
- (2) One (1) portable crusher, with a capacity of 600 tph
- (3) One (1) conveyor, with a capacity of 600 tph

- (4) One (1) portable screen, with a capacity of 600 tph
- (5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
- (6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph

- (B) Portable boat loader
 - (1) One (1) feed hopper, with a capacity of 1500 tph
 - (2) One (1) conveyor/stacker, with a capacity of 1500 tph

- (C) Portable stacker
 - (1) One (1) feed hopper, with a capacity of 250 tph
 - (2) One (1) conveyor/stacker, with a capacity of 250 tph

- (D) Portable screener
 - (1) One (1) screen, with a capacity of 250 tph
 - (2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph

- (E) Portable screener
 - (1) One (1) feed hopper, with a capacity of 250 tph
 - (2) One (1) screen, with a capacity of 250 tph
 - (3) One (1) conveyor/stacker, with a capacity of 250 tph

- (F) Portable Plant 2
 - (1) One (1) grizzly, with a capacity of 500 tph
 - (2) One (1) feeder, with a capacity of 500 tph
 - (3) One (1) screen, with a capacity of 500 tph
 - (4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
 - (5) One (1) crusher or impactor, with a capacity of 500 tph
 - (6) One (1) magnet

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

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

D.1.1 PSD Minor Limit [326 IAC 2-2]

- (a) Only slag and metallic material shall be processed at Main Plant.
- (b) The total input of slag and metallic material at Main Plant shall not exceed 2,377,419 tons per twelve consecutive month period with compliance determined at the end of each month.
- (c) The total input of material at the Chip Plant shall not exceed 1,300,000 tons per twelve consecutive month period with compliance determined at the end of each month.
- (d) The Chip Plant shall process only those materials that have been previously processed at the Main Plant.
- (e) The Portable/Auxiliary Equipment shall not be operated at Metal Services LLC dba Phoenix Services LLC site.
- (f) The total input of material at the Portable/Auxiliary Equipment shall not exceed 800,000 tons per twelve consecutive month period with compliance determined at the end of each month.

- (g) The moisture content of slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment plants shall not be less than 1.5%.

Compliance with the above limits, in conjunction with the Condition D.2.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

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

Pursuant to 326 IAC 6-3-2 the particulate emissions from the following listed units shall be limited as follows when operating at the listed process weight rate:

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
Main Plant		
One (1) step deck feeder (F1)	1500	82.95
Crushing		
One (1) pan feeder (F2)	500	68.96
One (1) conveyor (C5)	500	68.96
One (1) mag/pendulum head pulley (C5)	184	57.61
One (1) dual finger gate splitter at C5	217	59.40
One (1) splitter (scrap) (C5)	184	57.61
One (1) dual finger gate splitter at C5	217	59.40
One (1) dual finger gate splitter at Crusher/Impactor	184	57.61
One (1) pan feeder (F3)	510	69.19
One (1) pan feeder (F4)	500	68.96
One (1) jaw crusher	500	68.96
One (1) impactor,	500	68.96
One (1) conveyor (C6A)	500	68.96
One (1) conveyor (C6B)	500	68.96
Screening		
One (1) conveyor (C1)	1500	82.95
One (1) 150-ton bin,	1500	82.95
One (1) feeder (MF400) (F5)	1500	82.95
One (1) conveyor (C2)	1500	82.95
One (1) mag head pulley (C2)	300	63.00
One (1) dual finger gate splitter at C2	271	61.86
One (1) dual finger gate splitter at F6/F7	217	59.40
One (1) feeder (F6)	750	73.93
One (1) feeder (F7)	750	73.93
One (1) conveyor (C3A)	750	73.93
One (1) conveyor (C3B)	750	73.93
One (1) triple chute gate splitter at S1/S2/S3	72	48.04
One (1) screen (S1)	750	73.93
One (1) dual finger gate splitter at S1	750	73.93
One (1) conveyor (C7A)	500	68.96
One (1) screen (S2)	750	73.93
One (1) dual finger gate splitter at S2	750	73.93
One (1) conveyor (C7B)	396	66.20
One (1) screen (S3)	750	73.93
One (1) dual finger gate splitter at S3	750	73.93

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
One (1) conveyor (C7C)	500	68.96
One (1) conveyor (C11A)	1000	77.59
One (1) stk conveyor (C15)	1000	77.59
One (1) conveyor (C9)	700	73.06
One (1) stk conveyor (C14)	700	73.06
One (1) conveyor (C8)	400	66.31
One (1) stk conveyor (C13)	178.20	57.27
One (1) mag head pulley (C13)	400	66.31
One (1) dual finger gate splitter at C13	178.2	57.27
Scrap		
One (1) 50-ton scrap bin (F1)	700	73.06
One (1) feeder (F8) 700	700	73.06
One (1) conveyor (C4) 700	700	73.06
One (1) dual finger gate splitter at C4	56	45.64
One (1) screen (S4)	350	64.76
One (1) dual finger gate splitter at S4	350	64.76
One (1) conveyor (C10A)	200	58.51
One (1) screen (S5) 350	350	64.76
One (1) dual finger gate splitter at S5	350	67.76
One (1) conveyor (C10B)	200	58.51
One (1) conveyor (C11B)	400	66.31
One (1) stk conveyor (C17)	400	66.31
One (1) conveyor (C12)	400	66.31
One (1) stk conveyor (C16)	400	66.31
One (1) conveyor (C18)	200	58.51
One (1) stk conveyor (C19)	200	58.51
Chip Plant		
One (1) feed hopper (B1)	500	68.96
One (1) feeder (F9)	500	68.96
One (1) conveyor (C1)	500	68.96
One (1) conveyor (C2)	800	74.74
One (1) crusher, 500	500	68.96
One (1) conveyor (C5)	500	68.96
One (1) screen (S1)	400	66.31
One (1) conveyor (C3)	150	55.44
One (1) screen (S2)	400	66.31
One (1) conveyor (C4)	150	55.44
One (1) conveyor (C10)	300	63.00
One (1) stk conveyor (C11)	55	45.47
One (1) conveyor (C8)	250	60.96
One (1) mag cross belt (M2)	4.125	10.60
One (1) stk conveyor (C9)	78.375	48.86
One (1) conveyor (C6) 20	250	60.96
One (1) mag cross belt (M1)	18	28.43
One (1) stk conveyor (C7)	250	60.96
Portable/Auxiliary Equipment		
Portable Plant 1		
One (1) conveyor	600	71.16

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
One (1) portable crusher	600	71.16
One (1) conveyor	600	71.16
One (1) portable screen	600	71.16
Three (3) portable input conveyors (33%)	600	71.16
Three (3) portable output stacker/conveyors (33% ea)	600	71.16
Portable boat loader		
One (1) feed hopper	1500	82.95
One (1) conveyor/stacker	1500	82.95
Portable stacker		
One (1) feed hopper	250	60.96
One (1) conveyor/stacker	250	60.96
Portable screener		
One (1) screen	250	60.96
Three (3) conveyor/stackers (33% each)	250	60.96
Portable screener		
One (1) feed hopper	250	60.96
One (1) screen	250	60.96
One (1) conveyor/stacker	250	60.96
Portable Plant 2		
One (1) grizzly	500	68.96
One (1) feeder	500	68.96
One (1) screen	500	68.96
Four (4) output conveyors (25% ea)	500	68.96
One (1) crusher or impactor	500	68.96
One (1) magnet	15	25.16

The pound per hour limitations above were calculated using the following equation:

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

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

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

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

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

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

Compliance Determination Requirements

D.1.4 Particulate Matter [326 IAC 2-7-6(6)]

In order to comply with Condition D.1.1(g):

- (a) The Permittee shall use wet suppression to control particulate emissions from Main Plant, Chip Plant and Portable/Auxiliary Equipment, except for the following time periods:
 - (i) During precipitation
 - (ii) When ambient air temperature is at or below freezing temperature
- (b) The Permittee shall perform moisture content analysis prior to feeding material into Main Plant, Chip Plant and Portable/Auxiliary Equipment, weekly on the slag material processed at Main Plant, Chip Plant and Portable/Auxiliary Equipment to ensure slag moisture content is not less than 1.5%.

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

D.1.5 Visible Emissions Notations

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

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

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(b), (c) and (f), the Permittee shall maintain monthly records of the input of material at Main Plant, Chip Plant and Portable/Auxiliary Equipment.
- (b) To document the compliance status with condition D.1.4(b), the Permittee shall maintain weekly records of the moisture content analysis.
- (c) To document the compliance status with condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.7 Reporting Requirements

A quarterly report of the input of the material at Main Plant, Chip Plant, and Portable/Auxiliary Equipment to document the compliance status with D.1.1(b), (c) and (f) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (35).

SECTION 2.1

FACILITY OPERATION CONDITIONS

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

- (g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.
- (h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.
- (i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

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

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

D.2.1 PSD and Emission Offset Minor Limit [326 IAC 2-2] [326 IAC 2-3]

The total diesel fuel usage at the generator/engines shall not exceed 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with the above limit, in conjunction with the Condition D.1.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the SO₂, NO_x and CO emissions from the modification approved under SSM No. 127-32132-00026 to less than 40, 40 and 100 tons per twelve (12) consecutive month period, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the NO_x emissions from the modification approved under SSM No. 127-32132-00026 to less than 40 tons per twelve (12) consecutive month period, and render the requirements of 326 IAC 2-3 for ozone not applicable to the SSM No. 127-32132-00026.

D.2.2 Nonroad Engines [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ] [40 CFR 60, Subpart IIII]

The diesel generators/engines shall remain at a location (defined under 40 CFR 1068.30(2)(iii), Nonroad Engine definition) for a period not to exceed twelve (12) consecutive months.

Compliance with this requirement will render the diesel generators/engines as Nonroad Engine under this 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII. Therefore, the requirements of 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII do not apply to these diesel generators/engines.

D.2.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

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

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

D.2.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain monthly records of the total diesel fuel usage diesel generator/engines.
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.2.5 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION D.3

FACILITY OPERATION CONDITIONS

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 month, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (c) Activities with emissions equal to or less than insignificant thresholds [326 IAC 2-7-1(21)]:
 - (1) 17,000 gallon diesel AST identified as EE001-9011 [326 IAC 8-9];
 - (2) 11,000 gallon diesel AST identified as EE001-9012 [326 IAC 8-9]; and
 - (3) Iron breakup processing identified as EE001-9014.

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

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

D.3.1 Insignificant Activities [326 IAC 2-7-1(21)]

The emissions from activities EE001-9011, EE001-9012, and EE001-9014 shall remain below the thresholds listed below to be considered as insignificant:

Lead (Pb)= 0.6 ton/year or 3.29 lbs/day Carbon Monoxide (CO)= 25lbs/day

Sulfur Dioxide (SO₂)= 5 lbs/hr or 25 lbs/day Particulate Matter (PM)= 5 lbs/hr or 25 lbs/day

Nitrogen Oxides (NO_x)= 5 lbs/hr or 25 lbs/day Volatile Organic Compounds (VOC)= 3 lbs/hr or 15 lbs/day

D.3.2 Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

Pursuant to 326 IAC 8-9-1(b), stationary vessels with a capacity of less than thirty-nine thousand (39,000) gallons (EE001-9011 and 9012) are subject to the reporting and record keeping provisions of section 6(a) and 6(b) of this rule and are exempt from all other provisions of this rule.

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3]

Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs, the Permittee shall ensure that the following 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°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 or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

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.3.4 Volatile Organic Compounds (VOC) [326 IAC 8-3]

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 Clark, Floyd, Lake, and Porter Counties, except for solvents intended to be used to clean electronic components shall do the following:

- (a) 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).
- (b) 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).
- (a) 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.

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

D.3.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.2, and pursuant to 326 IAC 8-9, the Permittee must keep records of the following:

- (1) The vessel identification number;
- (2) The vessel dimensions; and
- (3) The vessel capacity.

Records shall be maintained for the life of the vessel.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

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

Please check what document is being certified:

- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

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

Signature:

Printed Name:

Title/Position:

Date:

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facilities: Main Plant
Parameter: Total input of slag and metallic material at the Main Plant
Limit: 2,377,419 tons per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER: _____ YEAR: _____

Month	Column 1 slag and metallic material input this Month	Column 2 slag and metallic material input 11 Months	Column 1+2 slag and metallic material input 12 Months Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: Portable/Auxiliary Equipment
Parameter: The total input of material at the Portable/Auxiliary Equipment
Limit: 800,000 tons per twelve consecutive month period with compliance at the end of each month.

QUARTER: _____ YEAR: _____

Month	Column 1 material input this month	Column 2 material input previous 11 months	Column 1+2 material input 12 months total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
 Source Address: US Hwy 12, Burns Harbor, IN 46304
 Part 70 Permit No.: T127-29719-00026
 Facility: Chip Plant
 Parameter: Total input of slag and metallic material at the Chip Plant
 Limit: 1,300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Column 1 slag and metallic material input this month	Column 2 slag and metallic material input previous 11 months	Column 1+2 slag and metallic material input 12 months total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

Submitted by:

Title / Position:

Signature:

Date:

Phone:

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: diesel generators/engines listed in Section D.2 of this permit
Parameter: total diesel fuel usage
Limit: 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	total diesel fuel usage This Month	total diesel fuel usage Previous 11 Months	total diesel fuel usage 12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)
<input type="checkbox"/> The Permittee must notify the Office of Air Quality (OAQ), no later than four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
<input type="checkbox"/> The Permittee must submit notice in writing or by facsimile no later than 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: _____

**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: Metal Services, LLC dba Phoenix Services, LLC
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-29719-00026

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. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____



Phoenix Services LLC
World Class Service. World Class Experience.

**Metal Services LLC, dba,
Phoenix Services LLC
Burns Harbor Facility**

**Fugitive Dust Control Plan
(FDCP)
*326 IAC 6-5-5***

**October 18, 2012
Revision 4**

Prepared by:
ST Environmental LLC
209 S Calumet Rd, Suite 5
Chesterton, IN 46304
(219) 728-6312

Fugitive Dust Control Plan

Phoenix Services LLC, a contractor of ArcelorMittal Burns Harbor
Part 70 Source No. T127-00026

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Fugitive Dust Control Plan

Phoenix Services LLC, a contractor of ArcelorMittal Burns Harbor
Part 70 Source No. T127-00026

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

This Fugitive Dust Control Plan is written in accordance with 326 IAC 6-5-5. This source is located in Porter County, Indiana. Metal Services LLC, dba, Phoenix Services LLC (Phoenix) owns and operates material processing operations located within the ArcelorMittal Burns Harbor Works facility in Burns Harbor, Indiana. ArcelorMittal Burns Harbor Works is a fully integrated steelmaking and finishing facility. Phoenix also has a storage pile location that is part of the Burns Harbor source but is physically separated from the Burns Harbor operation by approximately 2.7 miles. This pile storage location is in the Port of Indiana. ArcelorMittal Burns Harbor Works and Phoenix are considered to be one source due to contractual control; therefore, Phoenix operates under an Administrative Part 70 Operating Permit.

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

All roadways at the Burns Harbor site which are under control of the Phoenix facility are up to 30 feet wide with varying lengths. Phoenix only has control for the roadways within the boundaries of their immediate stationary operations. ArcelorMittal is responsible for all other roadways in the steel mill. Figure 1 in Appendix A shows the general property layout and approximate designation of the main roadways. Road paths within the processing area change frequently because of the nature of the operation with pile stacking. Trucks and front-end loaders are utilized for transportation of materials throughout the facility. Employee passenger vehicles and passenger trucks are parked in makeshift unpaved parking areas. AP-42 13.2.2 provides the method of the potential PM₁₀ emission calculations and can be found in the permit renewal technical support document. There are no designated roadways within the Port of Indiana pile storage location which runs adjacent to a paved public roadway.

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

The bulk of the feed materials are stored in the blast furnace ore yards which is owned and operated by ArcelorMittal. Feed materials are brought to the Phoenix site as needed and are stored in various locations onsite and will move within a general area throughout the year. Product materials are

Fugitive Dust Control Plan

Phoenix Services LLC, a contractor of ArcelorMittal Burns Harbor
Part 70 Source No. T127-00026

stored in various locations on the facility site and product pile locations will move within a general area throughout the year at Burns Harbor. Phoenix also loads trucks directly from stackers and transports them to their offsite storage pile facility located in the Port of Indiana. 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 averages 1.5% moisture or higher and can be further impacted by atmospheric precipitation throughout the year. The average slag moisture content is 2-4%. Phoenix targets and tracks average moisture values at a minimum of 1.5% to maintain continuous compliance.

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

Materials are moved through a series of crushers and screens via conveyor system in various configurations depending upon the type of product desired. Materials are size-reduced into final products for sale to outside customers. Water application is utilized in the plant which provides up to 90% control efficiency. Water application is used to cool slag before entering the processing plant which provides primary moisture content. Additional water sprays may be used in the process facility if needed, however, average moistures in the raw materials range 2-4% and are tracked to maintain a targeted moisture of 1.5% to demonstrate continuous compliance.

Control Measures and Practices [326 IAC 6-5-5 (a)(8), (9) & (10)]

Moisture content and water application to raw materials is the primary control measure for processing materials through plant equipment at this facility. Various water spray nozzle applications may 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 may 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. The average slag moisture content range

Fugitive Dust Control Plan

Phoenix Services LLC, a contractor of ArcelorMittal Burns Harbor
Part 70 Source No. T127-00026

at this facility is 2-4%. Phoenix targets and tracks average moisture values at a minimum of 1.5% to maintain continuous compliance.

I. Site Roadways / Plant Yard

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

II. Process Operations

The average slag moisture content range at this facility is 2-4%. Phoenix targets and tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. 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 spray application can be utilized, if needed and weather permitting, at strategic locations throughout the plant to control dust emissions. During water spray application, caution must be taken to avoid saturating the material which results in blinding the process equipment.

III. Storage Piles

The average slag moisture content range at this facility is 2-4%. Phoenix targets and tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. To reduce potential dust emissions, stockpiling will be performed at minimum drop distances, to the extent practicable. Product storage piles are watered on an as needed basis during operating hours, weather permitting.

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

The average slag moisture content range at this facility is 2-4%. Phoenix targets and tracks average moisture values at a minimum of 1.5% to maintain continuous compliance. Trucks will be loaded in a manner to reduce or prevent materials from blowing or otherwise escaping. This may be

Fugitive Dust Control Plan

Phoenix Services LLC, a contractor of ArcelorMittal Burns Harbor
Part 70 Source No. T127-00026

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

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

Phoenix has and will implement the provisions of this control plan upon startup of the operation. This plan will be revised when significant changes occur to the facility. Any revision to this plan requires an administrative amendment to the Part 70 Permit.

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

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

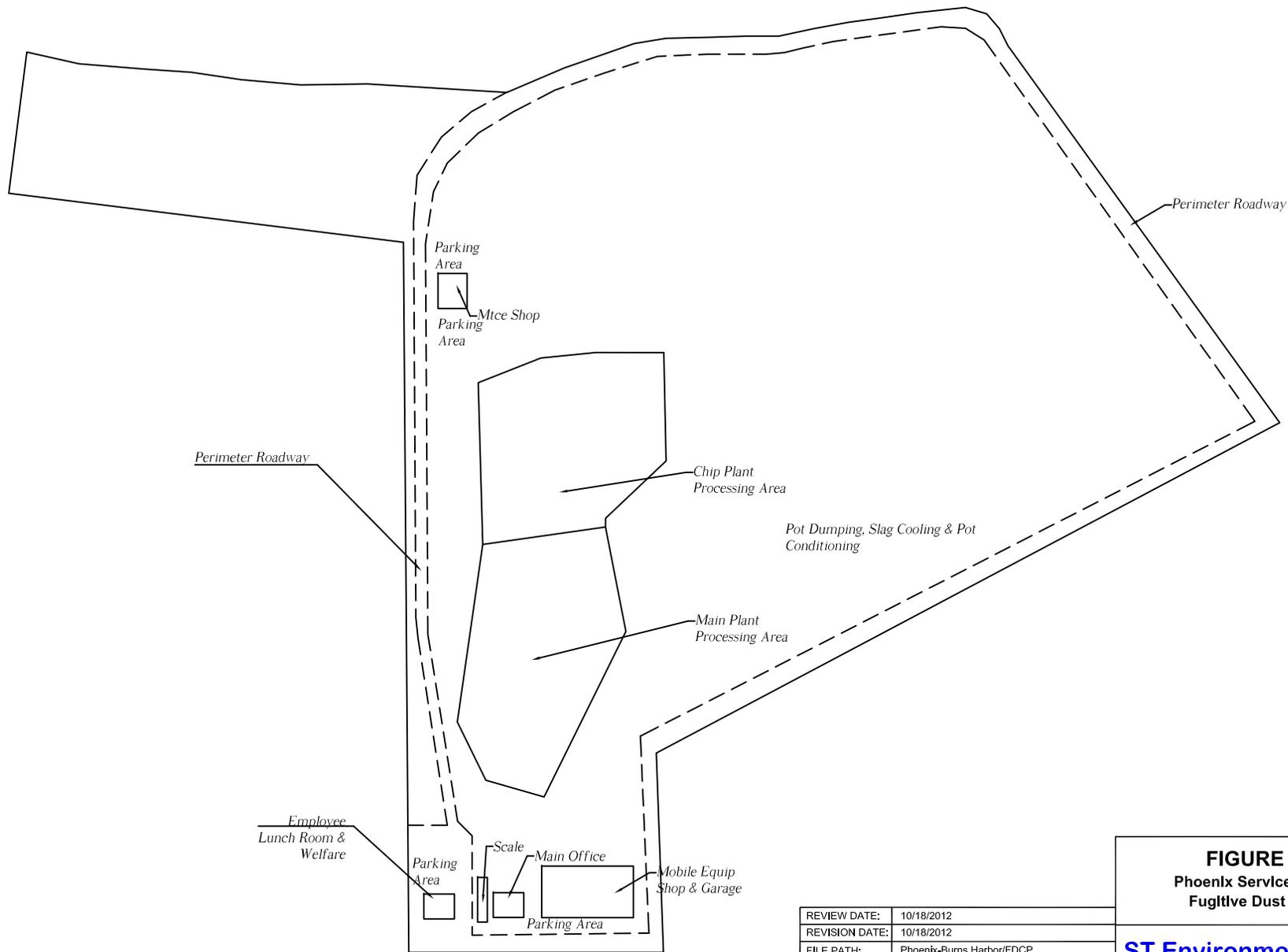


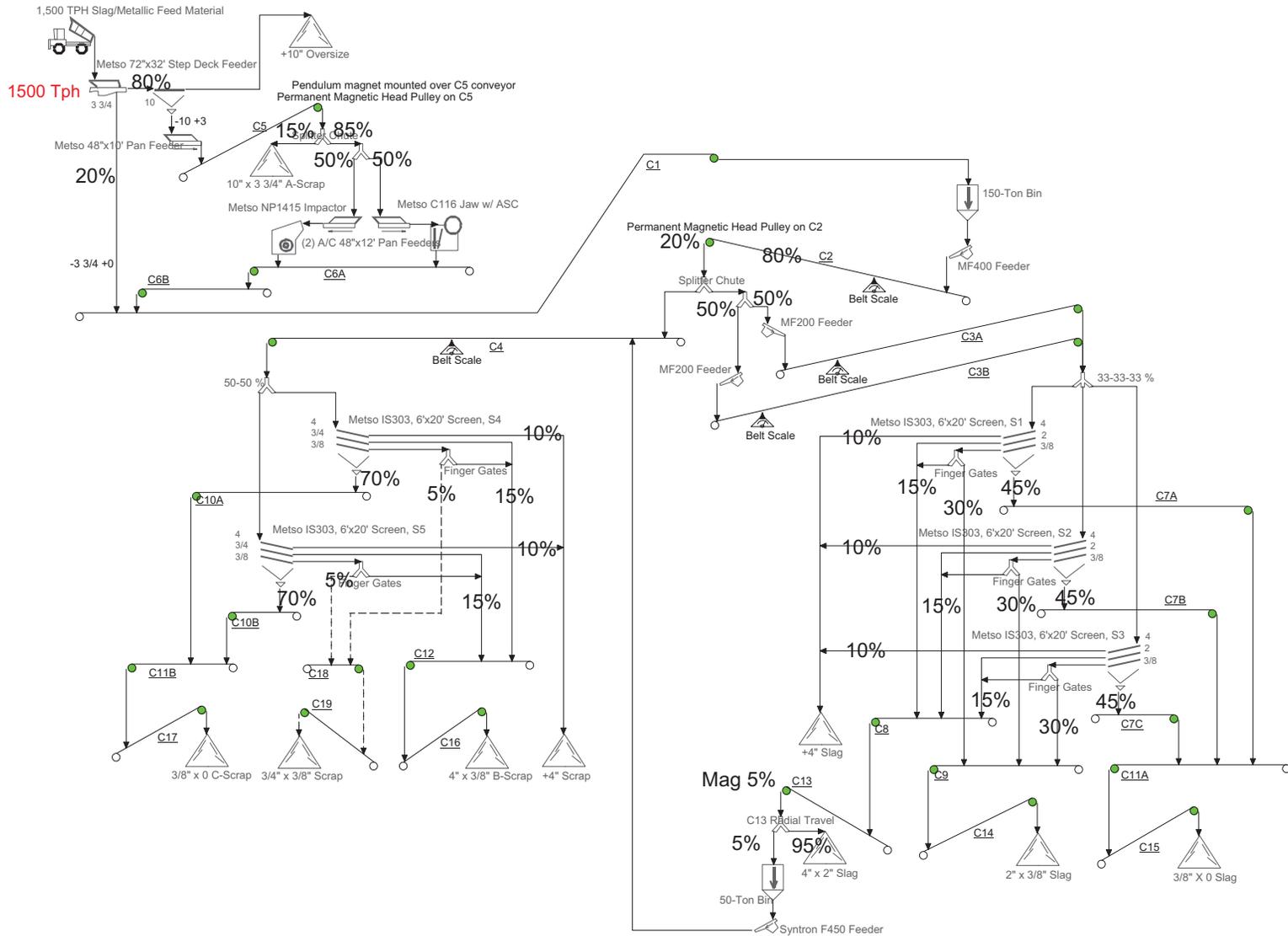
FIGURE 1 - SITE MAP
Phoenix Services, LLC - Burns Harbor
Fugitive Dust Control Plan (FDCP)

REVIEW DATE:	10/18/2012
REVISION DATE:	10/18/2012
FILE PATH:	Phoenix-Burns Harbor/FDCP
FILE NAME:	Site Map.DWG

ST Environmental LLC

208 S. Calumet Ave, Suite 5
 Chesterton, IN 46304
 Phone: (219) 728 - 6312
 Fax: (855) 728 - 6312

Phoenix flow diagram for separation operation



Run: 5/4/12 11:38:14

Calculation results may differ due to variations in operating conditions and application of crushing and screening equipment. This information does not constitute an express or implied warranty, but shows results of calculations based on information provided by customers or equipment manufacturers. Use this information for estimating purposes only.

Mellott Company
Phoenix Services, LLC, Burns Harbor Plant
Larry A. Weaverling
Flow Diagram

All calculations performed by AggFlow. <http://www.AggFlow.com>

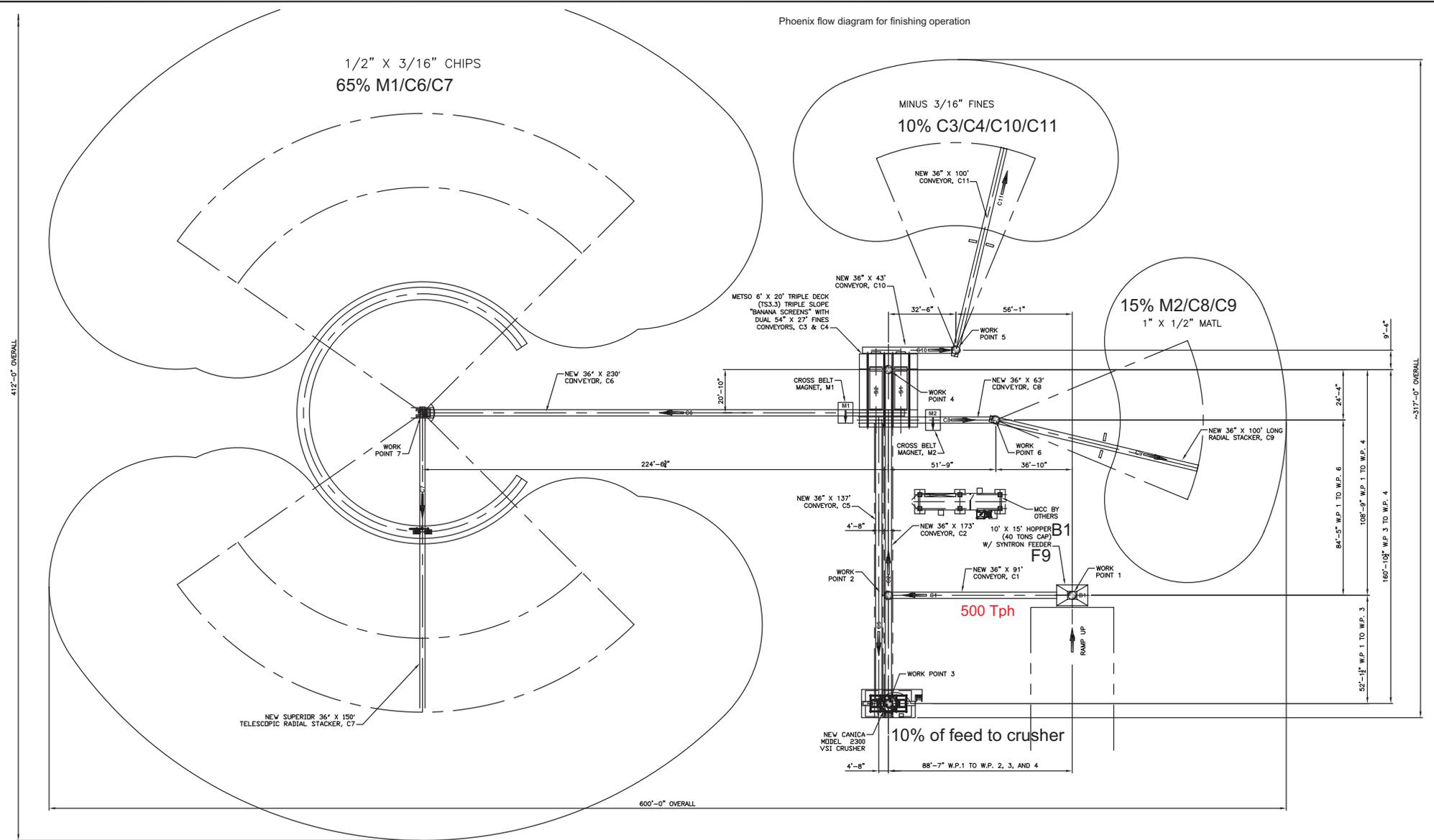
Date: May/4/2012

Phoenix flow diagram for finishing operation

1/2" X 3/16" CHIPS
65% M1/C6/C7

MINUS 3/16" FINES
10% C3/C4/C10/C11

15% M2/C8/C9
1" X 1/2" MATL



NOTICE!

CUSTOMER WILL HAVE THE SOLE RESPONSIBILITY FOR THE PROTECTED SITE FOR INSTALLATION OF THE SYSTEM, EQUIPMENT, AND FOUNDATIONS SHOWN ON THIS DRAWING FOR INSTALLATION SITE, AND THE ACCURACY, DESIGN, AND INSTALLATION OF THE COMPONENTS AND SUB-COMPONENTS OF SUCH SYSTEMS AND EQUIPMENT. BEFORE LAYING THE GROUNDLINE OF THE FOUNDATION, THE CUSTOMER WILL HAVE SOLE RESPONSIBILITY FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE INSTALLATION AND EXCAVATION OF PILES AND BORED PILES AND THE REPAIRS OF UNDESIRABLE SOILS, INCLUDING THE COMPLETION, SHALL BE OBTAINED FROM GEOTECHNICAL, FOUNDATION, AND INSTALLATION / CONSTRUCTION OF FOUNDATIONS AND SUBSTRUCTURE OF ANY SUBSTRUCTURE OR CONCRETE CONSTRUCTION. CONDITIONS AT OR NEAR THE INSTALLATION SITE TO THAT THE COMPONENTS OF THE PROJECT MAY BE PROPERLY INSTALLED, USED, AND OPERATED.

FIELD NOTES:

1. REF. DRAWINGS: 1986-000-004
2. ALL FIELD MARKS PRECEDED BY: 1986- U.N.O.
3. ALL STRUCTURAL CONNECTIONS REQUIRE A325 HIGH STRENGTH BOLTS.

MELLOTT COMPANY SHALL HAVE NO RESPONSIBILITY WHATSOEVER FOR THE PREPARATION OF THE SURFACE AND SUBSTRUCTURE BEFORE THE FOUNDATION, EXCAVATION AND INSTALLATION / CONSTRUCTION OF THE FOUNDATIONS ON THE COMPONENTS AND SUB-COMPONENTS OF THE SYSTEM AND EQUIPMENT SHOWN ON THIS DRAWING.

NOTICE!

THIS DRAWING AND ALL CONTENTS ARE THE PROPERTY OF MELLOTT COMPANY AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MELLOTT COMPANY. THIS DRAWING IS CONTROLLED BY MELLOTT COMPANY AND IS LOANED TO CUSTOMER UNDER THE CONDITION THAT IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MELLOTT COMPANY.

MELLOTT COMPANY
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www.melott.com

OVERALL PLAN VIEW WITH WORK POINTS
CHIP PLANT
PHOENIX SERVICES
BURNS HARBOR, INDIANA

DATE	05-02-12	PROJECT NO.	1986-000	DATE	05-02-12	REV	1
DRAWN BY	RAR	PROJECT NO.	1986-000	DATE	05-02-12	REV	1
CHECKED BY		PROJECT NO.	1986-000	DATE	05-02-12	REV	1
SCALE	1" = 20'-0"	PROJECT NO.	1986-000	DATE	05-02-12	REV	1

REV #	DATE	REV BY	CHK BY	DESCRIPTION

FUGITIVE DUST CONTROL PLAN
 APPENDIX A
 ROADWAY CALCULATIONS

Company Name: The Levy Company - Burns Harbor Facility
 a contractor of ArcelorMittal Burns Harbor, LLC
 Address, City IN Zip: US Highway 12, Burns Harbor, IN 46304
 SSM No.: 127-30302
 Part 70 Operating Permit Renewal No.: 127-29719
 Plt ID: 127-00026
 Reviewer: Aida De Guzman
 Date Part 70 Operating Permit Renewal Application Received: Sept. 23, 2010
 Date SSM Application Received: March 3, 2011

Potential to Emit - FROM UNPAVED ROADWAYS

ArcelorMittal Iron Production (tons): 5,460,000 Slag production is limited by ArcelorMittal Blast Furnace operations which has a permit limit of 5,460,000 tons molten iron.
 PTE slag throughput (tons): 1,638,000 Slag production can be up to 30% of molten iron production. (USGS Minerals Yearbook 2002, Slag-Iron and Steel Section)

Vehicle	Production (tons/yr)	Product Weight (tons/RT)	Round Trips/yr	Avg miles per round trip	VMT/yr
Pot Haulers	1,638,000	55	29,782	0.8	23,825
Trucks and haulers	1,638,000	50	32,760	0.50	16,380
Front-end loaders	1,638,000	15	109,200	0.10	10,920

Vehicle	Mean Weight (W) (tons)	PM Emission Factor ² (lb/VMT)	PM2.5 Emission Factor ² (lb/VMT)	PM10 Emission Factor ² (lb/VMT)	VMT/yr	UNCONTROLLED PTE			CONTROLLED PTE		
						PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)	PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)
Pot Haulers	180	19.04	0.51	5.07	23,825	226.81	60.44	0.05754	34.0209	9.0664	0.00863
Trucks and haulers	64	11.96	0.32	3.19	16,380	97.91	26.09	0.01560	14.6868	3.9140	0.00234
Front-end loaders	31	8.63	0.23	2.30	10,920	47.11	12.55	0.00542	7.0659	1.8830	0.00081
						371.82	99.09	0.08	55.77	14.86	0.01

85% control efficiency

*Based on a control efficiency in the AP-42 from the periodic application of water and/or other dust suppressants.

Reference AP-42, 13.2.2, 11/2006
 $E = k(s/12)^a \times (W/3)^b$

Variable	PM10 Value	Units
k (lb/VMT)	1.5	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)

Variable	PM Value	Units
k (lb/VMT)	4.9	Table 13.2.2-2
a	0.7	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)

Variable	PM2.5 Value	Units
k (lb/VMT)	0.15	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)

Phoenix Services LLC - Fugitive Dust Control Plan
Road Watering Documentation Log

Fill in data for each road dust control application event (as multiple application events may occur in a day).

Date: _____

Weather Conditions (check all that apply): Temperature $\geq 32^{\circ}\text{F}$ Rainfall ≥ 0.1 inches Ice and/or Snow Cover Present

Application may be suspended if any of these weather events are present. However, this documentation must be retained.

List the roadways that were treated:	
Application Rate(s):	
Time(s) of each application:	
Width(s) of each application:	
Type of application(s):	<input type="checkbox"/> Water Spray <input type="checkbox"/> Chemical
Quantity(s) of each application:	
If chemical used, conc of each application:	

APPENDIX C - EQUIPMENT LIST

Main Plant	Capacity (tph)	% Process Flow	
F1 step deck feeder	1500	100%	of baseline
CRUSHING			
F2 pan feeder	feed control	80%	of F1 feeder
C5 conveyor	feed control	100%	of F2 feeder
C5 mag/pendulum head pulley	feed control	15%	of C5 conv
C5 splitter (scrap)	feed control	100%	of C5 mag
C5 splitter (slag)	feed control	85%	of C5 conv
crush splitter (impactor)	feed control	50%	of C5 splitter (slag)
crush splitter (jaw)	feed control	50%	of C5 splitter (slag)
F3 pan feeder	feed control	100%	of crush splitter (jaw)
F4 pan feeder	feed control	100%	of crush splitter (impactor)
jaw crusher	feed control	100%	of crush splitter (jaw)
impactor	feed control	100%	of crush splitter (impactor)
C6A conveyor	feed control	100%	of jaw+impact crushers
C6B conveyor	feed control	100%	of C6A conv
SCREENING			
C1 conveyor	feed control	100%	of F1 step feeder
150-ton bin	feed control	100%	of C1 conveyor
F5 feeder (MF400)	feed control	100%	of 150-ton bin
C2 conveyor	feed control	100%	of F5 feeder
C2 mag head pulley	feed control	20%	of C2 conv
C2 splitter (slag)	feed control	80%	of C2 conv
C2 splitter (scrap)	feed control	20%	of C2 conv
F6/F7 splitter (count all in one 50/50)	feed control	100%	of C2 splitter (slag)
F6 feeder	feed control	50%	of F6/F7 splitter
F7 feeder	feed control	50%	of F6/F7 splitter
C3A conveyor	feed control	100%	of F7 feeder
C3B conveyor	feed control	100%	of F6 feeder
triple split chute	feed control	100%	of C3A+C3B conv
S1 screen	feed control	33%	triple split chute
C7A conveyor	feed control	45%	of S1 screen
S2 screen	feed control	33%	triple split chute
C7B conveyor	feed control	45%	of S2 screen
S3 screen	feed control	33%	triple split chute
C7C conveyor	feed control	45%	of S3 screen
C11A conveyor	feed control	100%	of C7A+C7B+C7C conv
C15 stk conveyor	feed control	100%	of C11A conv
C9 conveyor	feed control	30%	of S1+S2+S3 screens
C14 stk conveyor	feed control	100%	of C9 conv
C8 conveyor	feed control	15%	of S1+S2+S3 screens
C13 stk conveyor	feed control	100%	of C8 conv
C13 mag head pulley	feed control	5%	of C13 conv
C13 splitter (slag)	feed control	95%	of C13 conv
C13 splitter (scrap)	feed control	100%	of C13 mag

APPENDIX C - EQUIPMENT LIST

Main Plant	Capacity (tph)	% Process Flow	
SCRAP			
50-ton scrap bin	feed control	100%	of C13 mag
F8 feeder	feed control	100%	of 50-ton scrap bin
C4 conveyor	feed control	100%	of C2 split(scrap)+F8 feeder
C4 splitter (S4)	feed control	50%	of C4 conv
C4 splitter (S5)	feed control	50%	of C4 conv
S4 screen	feed control	100%	of C4 splitter (S4)
C10A conveyor	feed control	70%	of S4 screen
S5 screen	feed control	100%	of C4 splitter (S5)
C10B conveyor	feed control	70%	of S5 screen
C11B conveyor	feed control	100%	of C10A+C10B conv
C17 stk conveyor	feed control	100%	of C11B conv
C12 conveyor	feed control	15%	of S4+S5 screens
C16 stk conveyor	feed control	100%	of C12 conv
C18 conveyor	feed control	5%	of S4+S5 screens
C19 stk conveyor	feed control	100%	of C18 conv

Chip Plant	Capacity (tph)	% Process Flow	
40-ton feed hopper (B1)	500	100%	of feed
F9 feeder	feed control	100%	of 40-ton feed hopper
C1 conveyor	feed control	100%	of F9 feeder
C2 conveyor	feed control	100%	of crusher+C1 conv
crusher	feed control	10%	of F9 feeder
C5 conveyor	feed control	100%	of crusher
S1 screen	feed control	50%	of C2 conv
C3 conveyor	feed control	10%	of S1 screen
S2 screen	feed control	50%	of C2 conv
C4 conveyor	feed control	10%	of S2 screen
C10 conveyor	feed control	100%	of C3+C4 conv
C11 stk conveyor	feed control	100%	of C10 conv
C8 conveyor	feed control	15%	of S1+S2
M2 mag cross belt	feed control	5%	of C8 conv
C9 stk conveyor	feed control	95%	of C8 conv
C6 conveyor	feed control	65%	of S1+S2
M1 mag cross belt	feed control	5%	of C6 conv
C7 stk conveyor	feed control	95%	of C6 conv

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

Addendum to the Technical Support Document (ATSD) for
Part 70 Significant Source and Significant Permit Modification

Source Description and Location

Source Name:	Metal Services LLC dba Phoenix Services LLC
Source Location:	250 W. US Hwy 12, Burns Harbor, IN 46304
County:	Porter
SIC Code:	3295
Operation Permit No.:	127-29719-00026
Operation Permit Issuance Date:	July 1, 2011
Significant Source Modification No.:	127-32132-00026
Significant Permit Modification No.:	127-32224-00026
Permit Reviewer:	Mehul Sura

Public Notice Information

On November 19, 2012, the Office of Air Quality (OAQ) had a notice published in the *Chesterton Tribune*, Chesterton, Indiana stating that IDEM had received an application from Metal Services LLC dba Phoenix Services LLC located at 250 W. US Hwy 12, Burns Harbor, IN 46304 for Significant Source and Significant Permit Modifications of its Part 70 Administrative Operating Permit Renewal issued on July 1, 2011. The notice also stated that OAQ proposed to issue these Significant Source and Significant Permit Modifications and provided information on how the public could review the proposed significant source and significant permit modifications and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not these significant source and significant permit modifications should be issued as proposed.

On December 18, 2012, Mr. Rob Maciel from ArcelorMittal Burns Harbor, LLC (plant ID 127-00001) submitted comments on the proposed modifications which are described below. The comments are followed by IDEM's response.

Comments

Metal Services LLC dba Phoenix Services LLC is under contract to process slag at ArcelorMittal Burns Harbor, LLC. ArcelorMittal Burns Harbor, LLC objects to the presumption in the permit and the associated Technical Support Document (TSD) that ArcelorMittal Burns Harbor, LLC and Metal Services LLC dba Phoenix Services LLC are part of the same major source.

The three necessary criteria for determining if two entities are part of a single "major source" are as follows:

- (1) The plants must be located on contiguous properties.
- (2) The plants must be under common control.
- (3) The plants must have same two-digit Standard Industrial Classification (SIC) Code.

All three of these criteria must be met for Metal Services LLC dba Phoenix Services LLC to be considered the same major source as ArcelorMittal Burns Harbor, LLC. ArcelorMittal Burns Harbor, LLC and Metal Services LLC dba Phoenix Services LLC are not under common control. First, they are not owned by the same person or entity. Second, they do not share common corporate officers. Finally, they do not meet any of the tests for disregarding the corporate form that would be necessary to meet a legal test for common control.

There is nothing in the rule or statute that supports the notion of common control through contract. Contracts are their nature arms-length bargains between two entities. The contract establishes the terms of that legal relationship; it does not give one contracting party control over the other.

Metal Services LLC dba Phoenix Services LLC is also assigned to a different major industrial grouping by the standard industrial code (SIC) code manual. Metal Services LLC dba Phoenix Services LLC operates material handling, crushing and screening processes that produce an aggregate building material (Major SIC code 32). ArcelorMittal Burns Harbor, LLC makes steel (Major SIC code 33). The regulatory definition of Major source under 326 IAC 2-7-1(22) provides some guidance on how to determine industrial groupings for commonly controlled and adjacent operations serving common purpose.

The support facility test described in this rule definition would assign slag processing the same major SIC code as the iron and steel operation "where both are under common control... and are located on contiguous or adjacent property." But Metal Services LLC dba Phoenix Services LLC and ArcelorMittal Burns Harbor, LLC are not under common control. The rule does not support IDEM's use of the support facility test to establish common control.

ArcelorMittal Burns Harbor, LLC asks that IDEM eliminate references in this permit and the TSD that infer or rely on the mistaken determination that Metal Services LLC dba Phoenix Services LLC and ArcelorMittal Burns Harbor, LLC are part of the same major source.

Response

IDEM has determined that ArcelorMittal Burns Harbor, LLC and Metal Services LLC dba Phoenix Services LLC are one source under the Part 70 operating permit program due to the fact that the Metal Services LLC dba Phoenix Services LLC is providing ArcelorMittal Burns Harbor, LLC, with services associated with steel mill operations at the sole permission of ArcelorMittal Burns Harbor, LLC. No change has been made as a result of this comment.

Upon further review, IDEM, OAQ has made the following change to the proposed Significant Source and Significant Permit Modifications:

On November 3, 2011, the Indiana Air Pollution Control Board issued a revision to 326 IAC 2. The revision resulted in a change to the rule site of the "responsible official" definition. The rule site of the "responsible official" definition has been changed from 326 IAC 2-7-1(34) to 326 IAC 2-7-1(35) throughout the permit.

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

Technical Support Document (TSD) for a
Part 70 Significant Source and Significant Permit Modification

Source Description and Location

Source Name:	Metal Services LLC dba Phoenix Services LLC
Source Location:	250 W. US Hwy 12, Burns Harbor, IN 46304
County:	Porter
SIC Code:	3295
Operation Permit No.:	127-29719-00026
Operation Permit Issuance Date:	July 1, 2011
Significant Source Modification No.:	127-32132-00026
Significant Permit Modification No.:	127-32224-00026
Permit Reviewer:	Mehul Sura

Source Definition

The Metal Services LLC dba Phoenix Services LLC, operates a stationary blast furnace and basic oxygen furnace slag finishing operation and separation plant, and is a contractor of ArcelorMittal Burns Harbor, LLC:

- (a) ArcelorMittal Burns Harbor, LLC (plant ID 127-00001), the primary operation, is located at U.S. Highway 12, Burns Harbor, Indiana; and
- (b) Metal Services LLC dba Phoenix Services LLC (plant ID 127-00026), a secondary operation, is located at U.S. Highway 12, Burns Harbor, Indiana.

Separate Part 70 permits will be issued to ArcelorMittal Burns Harbor, LLC and Metal Services LLC dba Phoenix Services LLC solely for administrative purposes.

Existing Approvals

Metal Services LLC dba Phoenix Services LLC was issued Administrative Part 70 Operating Permit No. 127-29719-00026 on July 1, 2011. The source has since received the following approvals:

- (a) Administrative Amendment No. 127-31251-00026, issued on December 27, 2011
- (b) Administrative Amendment No. 127-31628-00026, issued on April 16, 2011

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

County Attainment Status

The source is located in Porter County.

Pollutant	Designation
SO ₂	Cannot be classified for the area bounded on the north by Lake Michigan; on the west by the Lake County and Porter County line; on the south by I-80 and I-90; and on the east by the LaPorte County and Porter County line. The remainder of Porter County is better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective May 11, 2010, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Porter County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3. **Effective July 20, 2012, U. S. EPA designated Porter County as Nonattainment for the 8-hr ozone standard.**
 Unclassifiable or attainment effective February 6, 2012, for PM_{2.5}.

- (a) **Ozone Standards**
 U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, designated Lake and Porter Counties as nonattainment for ozone. On August 1, 2012, the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective on August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against U.S. EPA in the US Court of Appeals for the DC Circuit on July 19, 2012. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's designation. Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NOx emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (b) **PM_{2.5}**
 Porter County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Porter County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

Fugitive Emissions

This type of operation is in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Source Status

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

Pollutant	Emissions (ton/yr)
PM	>100
PM ₁₀	>100
PM _{2.5}	>100
SO ₂	>100
VOC	>25
CO	>100
NO _x	>100

- (a) This existing source is a major stationary source under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is a major stationary source under Nonattainment New Source Review, 326 IAC 2-1.1-5, since direct PM_{2.5} is emitted at a rate of 100 tons per year or more.
- (c) The major status of Metal Services LLC dba Phoenix Services LLC is based upon the major status of ArcelorMittal Burns Harbor, LLC because they are considered one source.

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

HAPs	Potential To Emit (ton/yr)
Total	>25

This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Metal Services LLC dba Phoenix Services LLC on July 19, 2012, relating to the following:

- (i) Removing emission units listed in Sections D.1, D.2 and D.3 of the existing permit, except for the following emission units:
 - (a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.
 - (b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.
 - (c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.
- (ii) Adding new slag processing equipment, as described below.

(a) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) One (1) step deck feeder (F1), with a capacity of 1500 tph

(B) Crushing

- (1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
- (2) One (1) conveyor (C5), with a capacity of 500 tph
- (3) One (1) mag/pendulum head pulley (C5)
- (4) One (1) dual finger gate splitter at C5
- (5) One (1) dual finger gate splitter at Crusher/Impactor
- (6) One (1) pan feeder (F3), with a capacity of 510 tph
- (7) One (1) pan feeder (F4), with a capacity of 500 tph
- (8) One (1) jaw crusher, with a capacity of 500 tph
- (9) One (1) impactor, with a capacity of 500 tph
- (10) One (1) conveyor (C6A), with a capacity of 500 tph
- (11) One (1) conveyor (C6B), with a capacity of 500 tph

(C) Screening

- (1) One (1) conveyor (C1), with a capacity of 1500 tph
- (2) One (1) 150-ton bin, with a capacity of 1500 tph
- (3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
- (4) One (1) conveyor (C2), with a capacity of 1500 tph
- (5) One (1) mag head pulley (C2)
- (6) One (1) dual finger gate splitter at C2
- (7) One (1) dual finger gate splitter at F6/F7
- (8) One (1) feeder (F6), with a capacity of 750 tph
- (9) One (1) feeder (F7), with a capacity of 750 tph
- (10) One (1) conveyor (C3A), with a capacity of 750 tph
- (11) One (1) conveyor (C3B), with a capacity of 750 tph
- (12) One (1) triple chute gate splitter at S1/S2/S3
- (13) One (1) screen (S1), with a capacity of 750 tph
- (14) One (1) dual finger gate splitter at S1
- (15) One (1) conveyor (C7A), with a capacity of 500 tph
- (16) One (1) screen (S2), with a capacity of 750 tph
- (17) One (1) dual finger gate splitter at S2
- (18) One (1) conveyor (C7B), with a capacity of 500 tph
- (19) One (1) screen (S3), with a capacity of 750 tph
- (20) One (1) dual finger gate splitter at S3
- (21) One (1) conveyor (C7C), with a capacity of 500 tph
- (22) One (1) conveyor (C11A), with a capacity of 1000 tph
- (23) One (1) stk conveyor (C15), with a capacity of 1000 tph
- (24) One (1) conveyor (C9), with a capacity of 700 tph
- (25) One (1) stk conveyor (C14), with a capacity of 700 tph
- (26) One (1) conveyor (C8), with a capacity of 400 tph
- (27) One (1) stk conveyor (C13), with a capacity of 178.2 tph
- (28) One (1) mag head pulley (C13), with a capacity of 400 tph
- (29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

- (1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
- (2) One (1) feeder (F8), with a capacity of 700 tph
- (3) One (1) conveyor (C4), with a capacity of 700 tph
- (4) One (1) dual finger gate splitter at C4
- (5) One (1) screen (S4), with a capacity of 350 tph
- (6) One (1) dual finger gate splitter at S4

- (7) One (1) conveyor (C10A), with a capacity of 200 tph
- (8) One (1) screen (S5), with a capacity of 350 tph
- (9) One (1) dual finger gate splitter at S5
- (10) One (1) conveyor (C10B), with a capacity of 200 tph
- (11) One (1) conveyor (C11B), with a capacity of 400 tph
- (12) One (1) stk conveyor (C17), with a capacity of 400 tph
- (13) One (1) conveyor (C12), with a capacity of 400 tph
- (14) One (1) stk conveyor (C16), with a capacity of 400 tph
- (15) One (1) conveyor (C18), with a capacity of 200 tph
- (16) One (1) stk conveyor (C19), with a capacity of 200 tph

- (b) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

- (1) One (1) feed hopper (B1), with a capacity of 500 tph
- (2) One (1) feeder (F9), with a capacity of 500 tph
- (3) One (1) conveyor (C1), with a capacity of 500 tph
- (4) One (1) conveyor (C2), with a capacity of 800 tph
- (5) One (1) crusher, with a capacity of 500 tph
- (6) One (1) conveyor (C5), with a capacity of 500 tph
- (7) One (1) screen (S1), with a capacity of 400 tph
- (8) One (1) conveyor (C3), with a capacity of 150 tph
- (9) One (1) screen (S2), with a capacity of 400 tph
- (10) One (1) conveyor (C4), with a capacity of 150 tph
- (11) One (1) conveyor (C10), with a capacity of 300 tph
- (12) One (1) stk conveyor (C11), with a capacity of 55 tph
- (13) One (1) conveyor (C8), with a capacity of 250 tph
- (14) One (1) mag cross belt (M2)
- (15) One (1) stk conveyor (C9), with a capacity of 78.375 tph
- (16) One (1) conveyor (C6), with a capacity of 250 tph
- (17) One (1) mag cross belt (M1)
- (18) One (1) stk conveyor (C7), with a capacity of 250 tph

- (c) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) Portable Plant 1

- (1) One (1) conveyor, with a capacity of 600 tph
- (2) One (1) portable crusher, with a capacity of 600 tph
- (3) One (1) conveyor, with a capacity of 600 tph
- (4) One (1) portable screen, with a capacity of 600 tph
- (5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
- (6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph

(B) Portable boat loader

- (1) One (1) feed hopper, with a capacity of 1500 tph
- (2) One (1) conveyor/stacker, with a capacity of 1500 tph

(C) Portable stacker

- (1) One (1) feed hopper, with a capacity of 250 tph
- (2) One (1) conveyor/stacker, with a capacity of 250 tph

(D) Portable screener

- (1) One (1) screen, with a capacity of 250 tph
- (2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph
- (E) Portable screener
 - (1) One (1) feed hopper, with a capacity of 250 tph
 - (2) One (1) screen, with a capacity of 250 tph
 - (3) One (1) conveyor/stacker, with a capacity of 250 tph
- (F) Portable Plant 2
 - (1) One (1) grizzly, with a capacity of 500 tph
 - (2) One (1) feeder, with a capacity of 500 tph
 - (3) One (1) screen, with a capacity of 500 tph
 - (4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
 - (5) One (1) crusher or impactor, with a capacity of 500 tph
 - (6) One (1) magnet
- (d) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.
- (e) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.
- (f) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for Emission Calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

PTE Before Controls of the Modification	
Pollutant	Potential To Emit (ton/yr)
PM	972.9
PM ₁₀	369.7
PM _{2.5}	369.7
SO ₂	102.5
VOC	110.3
CO	122.2
NO _x	502.02
Single HAPs	<10
Total HAPs	<25

This source modification is subject to 326 IAC 2-7-10.5(g) because the PTE of PM, PM10, SO₂, VOC and NO_x are greater than 25 tons per year, each; and the PTE of CO is greater than 100 tons per year. Additionally, this modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because this modification does not qualify as a minor permit revision or administrative amendment.

Permit Level Determination – PSD and Emission Offset

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

Process / Emission Unit	Potential to Emit (ton/yr)							
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs
Main Plant	9.78 (2)	3.56 (2)	3.56 (2)	-	-	-	-	-
Chip Plant	2.92 (2)	1.04 (2)	1.04 (2)	-	-	-	-	-
Portable/Auxiliary Equipment	6.32 (2)	2.31 (2)	2.31 (2)	-	-	-	-	-
portable diesel generator/engines	1.27 (3)	1.27 (3)	1.27 (3)	6.23 (3)	18.13 (3)	32.56 (4)	3.91 (3)	20,465.4 (4)
Emissions Increase based on actual to potential for storage piles and unpaved road activities at Metal Services LLC dba Phoenix Services LLC site ⁽¹⁾	-	-	-	-	-	-	-	-
Hybrid Test Emissions Increase (Total)	20.3	8.2	8.2	6.23	18.13	32.56	3.91	20,465.4
PSD Significant Level	25	15	10	40	40	-	100	75,000 CO_{2e}
Emission Offset	-	-	-	-	40	40	-	-

Process / Emission Unit	Potential to Emit (ton/yr)							
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs
Significant Level					(marginal and moderate ozone nonattainment area)			

- (1) For details, please refer to 'Permit Level Determination – PSD Actual to Potential Test' section of this TSD and Appendix A of this TSD.
- (2) PTEs are based on the following limits taken by the source:
- (a) Only slag and metallic material shall be processed at Main Plant.
 Note: The Actual to Potential test for the storage piles and road emissions reflects that only slag and metallic material will be processed and stored at the Metal Services LLC dba Phoenix Services LLC site.
 - (b) The total input of slag and metallic material at Main Plant shall not exceed 2,377,419 tons per twelve consecutive month period with compliance determined at the end of each month.
 - (c) The total input of material at the Chip Plant shall not exceed 1,300,000 tons per twelve consecutive month period with compliance determined at the end of each month.
 - (d) The Chip Plant shall process only those materials that have been previously processed at the Main Plant.
 Note: The Schematic in Appendix A and Actual to Potential test for the storage piles and unpaved road emissions reflect that when the material is received at the Metal Services LLC dba Phoenix Services LLC site using Trucks/haulers, the Main Plant processes this material. After this material processed at the Main Plant, this material are temporarily stored and supplied to Chip Plant using Front-end loaders. Chip Plant does not receive material directly through Trucks/haulers; as such no calculations are made for the Trucks/haulers emissions associated with Chip Plant.
 - (e) The Portable/Auxiliary Equipment shall not be operated at Metal Services LLC dba Phoenix Services LLC site.
 Note: The source wants flexibility at the Portable/Auxiliary Equipment to process slag and metallic material as well as other material supplied by ArcelorMittal Burns Harbor, LLC (plant ID 127-00001). The Actual to Potential test for the storage piles and unpaved road emissions reflects that only 2,377,419 tons of slag and metallic material will be processed at Metal Services LLC dba Phoenix Services LLC site. The Main Plant will process all of the 2,377,419 tons of slag and metallic material at Metal Services LLC dba Phoenix Services LLC site; as such, no slag and metallic material processing throughput limit is available for the Portable/Auxiliary Equipment, if the Portable/Auxiliary Equipment is operated at Metal Services LLC dba Phoenix Services LLC site. Therefore, the Portable/Auxiliary Equipment is not approved for operation at Metal Services LLC dba Phoenix Services LLC site.

- (f) The total input of material at the Portable/Auxiliary Equipment shall not exceed 800,000 tons per twelve consecutive month period with compliance determined at the end of each month.
 - (g) The moisture content of slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment plants shall not be less than 1.5%.
- (3) PTEs are based on the limit listed below.
- (h) The total diesel fuel usage at the proposed generator/engine shall not exceed 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (4) VOC and GHGs are potential uncontrolled/unlimited emission rates.

Compliance with the limits (a) through (h) above will limit the PM, PM10 and PM2.5 emissions due to this proposed modification to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to this proposed modification.

Compliance with the limit (h) above will limit the SO₂, NO_x and CO emissions due to this proposed modification to less than 40, 40 and 100 tons per twelve (12) consecutive month period, respectively, and render the requirements of 326 IAC 2-2 not applicable to this proposed modification.

Compliance with the limit (h) above will limit the NO_x emissions due to this proposed modification to less than 40 tons per twelve (12) consecutive month period, and render the requirements of 326 IAC 2-3 for ozone not applicable to this proposed modification.

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

This modification to an existing major stationary source is not major because the emissions increase is less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3 requirements do not apply.

Permit Level Determination – PSD Actual to Potential Test

The Permittee has provided information as part of the application for this approval that based on Actual to Potential test in 326 IAC 2-2-2(d)(4), this modification at a major stationary source will not be major for Prevention of Significant Deterioration under 326 IAC 2-2-1. See Appendix A of this Technical Support Document for detailed emission calculations.

As shown in the following table the storage piles and unpaved road activities at Metal Services LLC dba Phoenix Services LLC site will not result an emission increase for the purpose of Actual to Potential Test.

	Process / Emission Unit	PM (ton/yr)	PM₁₀ (ton/yr)	PM_{2.5} (ton/yr)	NO_x (ton/yr)	SO₂ (ton/yr)	VOC (ton/yr)	CO (ton/yr)
Baseline Actual Emissions from storage piles and unpaved road activities at Metal Services LLC dba Phoenix Services LLC site*	Pile Operations	4.09	1.93	0.61	-	-	-	-
	Pile Wind Erosion	1.17	0.59	0.09	-	-	-	-
	Unpaved Road	46.30	12.34	0.006	-	-	-	-
Potential to Emit from	Pile Operations	4.65	2.20	0.69	-	-	-	-

	Process / Emission Unit	PM (ton/yr)	PM₁₀ (ton/yr)	PM_{2.5} (ton/yr)	NO_x (ton/yr)	SO₂ (ton/yr)	VOC (ton/yr)	CO (ton/yr)
storage piles and unpaved road activities at Metal Services LLC dba Phoenix Services LLC site	Pile Wind Erosion	1.33	0.67	0.10	-	-	-	-
	Unpaved Road	38.89	10.36	0.005	-	-	-	-
	Emissions Increase	0	0	0	-	-	-	-

* Baseline Actual Emissions Period for the storage piles and unpaved road activities at Metal Services LLC dba Phoenix Services LLC site is Year 2003-Year 2004.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

The Permittee has opted to comply with the following requirement for the proposed diesel generator/engines:

The proposed diesel generator/engines shall remain at a location for a period not to exceed twelve (12) consecutive months. For the purposes of this requirement a location is any single site at a building, structure, facility, or installation as defined under 40 CFR 1068.30, Nonroad Engine (2)(iii).

Compliance with this requirement will render the proposed diesel generator/engines as Nonroad Engine under this NSPS. Therefore, the requirements of this NSPS do not apply to these diesel generator/engines.

- (b) Subpart JJJJ—Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

The proposed diesel generator/engines are not subject to 40 CFR Part 60, Subpart JJJJ, because they are not spark ignition internal combustion engines.

- (c) There are no NSPS (326 IAC 12 and 40 CFR Part 60) included in the permit due to this proposed modification.

National Emission Standards for Hazardous Air Pollutants (NESHAPs)

- (a) Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The Permittee has opted to comply with the following requirement for the proposed diesel generator/engines:

The proposed diesel generator/engines shall remain at a location for a period not to exceed twelve (12) consecutive months. For the purposes of this requirement a location is any single site at a building, structure, facility, or installation as defined under 40 CFR 1068.30, Nonroad Engine (2)(iii).

- (b) There are no NESHAPs (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit due to this proposed modification.

Compliance Assurance Monitoring (CAM)

Pursuant to 40 CFR 64.2, CAM is applicable to each new or modified pollutant-specific emission unit that meets the following criteria:

- (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
- (2) is subject to an emission limitation or standard for that pollutant; and
- (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

None of the proposed emission units is equipped with an add-on control. Therefore, CAM requirements do not apply to the proposed emission units.

State Rule Applicability Determination

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

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

Pursuant to 326 IAC 6-3-2, the particulate emissions from the following units shall be limited as follows when operating at the listed process weight rate:

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr	Uncontrolled Emission Rate PM lb/hr
Main Plant			
One (1) step deck feeder (F1)	1500	82.95	4.5
Crushing			
One (1) pan feeder (F2)	500	68.96	3.6
One (1) conveyor (C5)	500	68.96	3.6
One (1) mag/pendulum head pulley (C5)	184	57.61	0.54
One (1) dual finger gate splitter at C5	217	59.40	
One (1) splitter (scrap) (C5)	184	57.61	0.54
One (1) dual finger gate splitter at C5	217	59.40	3.06
One (1) dual finger gate splitter at Crusher/Impactor	184	57.61	1.53
One (1) pan feeder (F3)	510	69.19	1.53
One (1) pan feeder (F4)	500	68.96	1.53
One (1) jaw crusher	500	68.96	1.53
One (1) impactor,	500	68.96	2.754
One (1) conveyor (C6A)	500	68.96	2.754
One (1) conveyor (C6B)	500	68.96	3.06
Screening			
One (1) conveyor (C1)	1500	82.95	4.5
One (1) 150-ton bin,	1500	82.95	4.5
One (1) feeder (MF400) (F5)	1500	82.95	4.5
One (1) conveyor (C2)	1500	82.95	4.5
One (1) mag head pulley (C2)	300	63.00	0.9
One (1) dual finger gate splitter at C2	271	61.86	3.6
One (1) dual finger gate splitter at F6/F7	217	59.40	0.9
One (1) feeder (F6)	750	73.93	3.6

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr	Uncontrolled Emission Rate PM lb/hr
One (1) feeder (F7)	750	73.93	1.8
One (1) conveyor (C3A)	750	73.93	1.8
One (1) conveyor (C3B)	750	73.93	1.8
One (1) triple chute gate splitter at S1/S2/S3	72	48.04	1.8
One (1) screen (S1)	750	73.93	3.6
One (1) dual finger gate splitter at S1	750	73.93	0.53
One (1) conveyor (C7A)	500	68.96	9.9
One (1) screen (S2)	750	73.93	0.53
One (1) dual finger gate splitter at S2	750	73.93	0.53
One (1) conveyor (C7B)	396	66.20	9.9
One (1) screen (S3)	750	73.93	0.53
One (1) dual finger gate splitter at S3	750	73.93	0.53
One (1) conveyor (C7C)	500	68.96	9.9
One (1) conveyor (C11A)	1000	77.59	0.53
One (1) stk conveyor (C15)	1000	77.59	1.60
One (1) conveyor (C9)	700	73.06	1.60
One (1) stk conveyor (C14)	700	73.06	1.07
One (1) conveyor (C8)	400	66.31	1.07
One (1) stk conveyor (C13)	178.20	57.27	0.53
One (1) mag head pulley (C13)	400	66.31	0.53
One (1) dual finger gate splitter at C13	178.2	57.27	0.14
Scrap			
One (1) 50-ton scrap bin (F1)	700	73.06	0.03
One (1) feeder (F8) 700	700	73.06	0.03
One (1) conveyor (C4) 700	700	73.06	0.93
One (1) dual finger gate splitter at C4	56	45.64	0.46
One (1) screen (S4)	350	64.76	0.46
One (1) dual finger gate splitter at S4	350	64.76	0.27
One (1) conveyor (C10A)	200	58.51	3.86
One (1) screen (S5) 350	350	64.76	0.32
One (1) dual finger gate splitter at S5	350	67.76	0.27
One (1) conveyor (C10B)	200	58.51	3.86
One (1) conveyor (C11B)	400	66.31	0.32
One (1) stk conveyor (C17)	400	66.31	0.65
One (1) conveyor (C12)	400	66.31	0.65
One (1) stk conveyor (C16)	400	66.31	0.14
One (1) conveyor (C18)	200	58.51	0.14
One (1) stk conveyor (C19)	200	58.51	0.05
Chip Plant			
One (1) feed hopper (B1)	500	68.96	1.5
One (1) feeder (F9)	500	68.96	1.5
One (1) conveyor (C1)	500	68.96	1.5
One (1) conveyor (C2)	800	74.74	1.65
One (1) crusher, 500	500	68.96	0.27
One (1) conveyor (C5)	500	68.96	0.15
One (1) screen (S1)	400	66.31	6.88
One (1) conveyor (C3)	150	55.44	0.08
One (1) screen (S2)	400	66.31	6.88
One (1) conveyor (C4)	150	55.44	0.08

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr	Uncontrolled Emission Rate PM lb/hr
One (1) conveyor (C10)	300	63.00	0.17
One (1) stk conveyor (C11)	55	45.47	0.17
One (1) conveyor (C8)	250	60.96	0.25
One (1) mag cross belt (M2)	4.125	10.60	0.01
One (1) stk conveyor (C9)	78.375	48.86	0.24
One (1) conveyor (C6) 20	250	60.96	1.07
One (1) mag cross belt (M1)	18	28.43	0.05
One (1) stk conveyor (C7)	250	60.96	1.02
Portable/Auxiliary Equipment			
Portable Plant 1			
One (1) conveyor	600	71.16	1.8
One (1) portable crusher	600	71.16	3.24
One (1) conveyor	600	71.16	1.8
One (1) portable screen	600	71.16	15
Three (3) portable input conveyors (33%)	600	71.16	1.8
Three (3) portable output stacker/conveyors (33% ea)	600	71.16	1.8
Portable boat loader			
One (1) feed hopper	1500	82.95	4.5
One (1) conveyor/stacker	1500	82.95	4.5
Portable stacker			
One (1) feed hopper	250	60.96	0.75
One (1) conveyor/stacker	250	60.96	0.75
Portable screener			
One (1) screen	250	60.96	6.25
Three (3) conveyor/stackers (33% each)	250	60.96	0.75
Portable screener			
One (1) feed hopper	250	60.96	0.75
One (1) screen	250	60.96	6.25
One (1) conveyor/stacker	250	60.96	0.75
Portable Plant 2			
One (1) grizzly	500	68.96	1.5
One (1) feeder	500	68.96	1.5
One (1) screen	500	68.96	12.5
Four (4) output conveyors (25% ea)	500	68.96	1.5
One (1) crusher or impactor	500	68.96	2.7
One (1) magnet	15	25.16	0.05

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

- (a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour (30 tons per hour) shall be accomplished by use of the equation:

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

- (b) Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour (30 tons per hour) shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

The uncontrolled emission rates from the equipment is less than their respective limits; therefore, the proposed equipment can comply with the limits without the use of controls.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

Pursuant to 326 IAC 6-5, fugitive particulate matter emissions from the proposed equipment shall be controlled according to the revised fugitive dust control plan (FDCP) submitted on September 13, 2012 (See Attachment A of the permit for this FDCP).

Compliance Determination and Monitoring Requirements

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

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

The compliance determination requirements applicable to this proposed modification are as follows:

In order to comply with slag moisture content limit specified in 'Permit Level Determination – PSD and Emission Offset' section of this TSD:

- (a) The Permittee shall use wet suppression to control particulate emissions from Main Plant, Chip Plant and Portable/Auxiliary Equipment, except for the following time periods:
 - (i) During precipitation
 - (ii) When ambient air temperature is at or below freezing temperature
- (b) The Permittee shall perform moisture content analysis prior to feeding material into Main Plant, Chip Plant and Portable/Auxiliary Equipment, weekly on the slag material processed at Main Plant, Chip Plant and Portable/Auxiliary Equipment to ensure slag moisture content is not less than 1.5%.

The compliance monitoring requirements applicable to this proposed modification are as follows:

The Permittee shall perform daily visible emission notations of the particulate emissions from the proposed material processing equipment.

This monitoring requirement is necessary for the following:

- (a) To ensure that the Fugitive Dust Control Plan is implemented by the Permittee on a continuous basis to comply with the 326 IAC 6-5.

- (b) To comply with 326 IAC 2-7 (Part 70) and to ensure that the moisture in the slag material is maintained on continuous basis as per the moisture content limit specified in 'Permit Level Determination – PSD and Emission Offset' section of this TSD.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 127-29719-00026. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

- (1) 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official."
- (2) IDEM, OAQ has clarified Section B - Certification to be consistent with the rule.
- (3) Instructions for the Section B Condition – Annual Compliance Certification (ACC) have been revised. The emission statement reporting requirements changed. The submission date for the ACC will continue to depend on the county in which the source is located.
- (4) The following conditions have has been revised for clarity:
 - Section B - Preventive Maintenance Plan.
 - Section B - Prior Permits Superseded
 - Section B - Annual Fee Payment
 - Section C - Fugitive Particulate Matter Emission Limitations
 - Section C - Response to Excursions or Exceedances
- (5) The words 'the certification' have been changed to 'a certification' throughout the permit.
- (6) IDEM will reference 326 IAC 2 in Section B-Source Modification Requirements, rather than specific construction rules.
- (7) The word 'non-overlapping' has been changed to 'nonoverlapping' in Section C -Opacity.
- (8) The last sentence of original Section C Condition – Open Burning has been deleted because the provisions of 326 IAC 326 IAC 4-1-3 (a)(2)(A) and (B) are federally enforceable and are included in Indiana's State Implementation Plan (SIP).
- (9) The word 'burning' has been added in Section C - Incineration.
- (10) IDEM has clarified what rule requirements a certification needs to meet. IDEM removed the last sentence dealing with the need for certification from the forms because the Conditions requiring the forms already address this issue.
- (11) The words 'requires' and 'start-up' have been changed to 'required' and 'startup', respectively, in the first paragraph of Section C - Compliance Monitoring.
- (12) The voice of paragraph (b) of Section C - General Record Keeping Requirements has been change to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

Revisions to have been made to the Section C – General Recordkeeping and Section C – General Reporting Requirements to reflect NSR (New Source Review) reform provisions at the major sources.

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

The Permittee owns and operates a blast furnace and basic oxygen furnace slag finishing operation and separation plant.

Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
General Source Phone Number: (219) 787-8666
SIC Code: 3295
County Location: Porter
Source Location Status: Nonattainment for ~~PM_{2.5}~~ **Ozone**
Attainment for all other criteria pollutants
Source Status: Part 70 Permit Program
Major Source under PSD and ~~Nonattainment NSR-
Rules~~ **Emission Offset**
Major Source, Section 112 of the Clean Air Act
1 of 28 Listed Source Categories

...

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]
Metal Services, LLC dba Phoenix Services, LLC, operates the following emission units and pollution control devices:

Burns Harbor Site

(a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.

(b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.

~~(c) An open air Blast Furnace and BOF Slag Batch Unloading/Processing/Loading operation (Separation Plant) constructed in 1969, and modified in 2010, identified as EU001-02, with a maximum capacity of 1,150 tons of material per hour, with particulate fugitive emissions controlled by water sprays, consisting of the following equipment:~~

- ~~(1) One (1) grizzly and feed hopper with a maximum capacity of 350 tons per hour.~~
- ~~(2) One (1) No. 101 feeder with a maximum capacity of 1,150 tons per hour.~~
- ~~(3) One (1) No. 102 belt feeder with a maximum capacity of 1,000 tons per hour.~~
- ~~(4) One (1) No. 103 72" drum magnet.~~
- ~~(5) One (1) No. 103-A swinging pendulum magnet.~~
- ~~(6) One (1) No. 104 main conveyor with a maximum capacity of 1,260 tons per hour.~~
- ~~(7) One (1) 42" mag head pulley.~~
- ~~(8) One (1) Nos. 105 and 106 screens with a maximum capacity of 630 tons per hour each.~~
- ~~(9) One (1) No. 107 conveyor with a maximum capacity of 550 tons per hour.~~
- ~~(10) One (1) No. 109 radial stacker with a maximum capacity of 550 tons per hour.~~
- ~~(11) One (1) 30" mag head pulley.~~
- ~~(12) One (1) No. 107-A conveyor with a maximum capacity of 550 tons per hour.~~
- ~~(13) One (1) No. 110 radial stacker with a maximum capacity of 550 tons per hour.~~
- ~~(14) One (1) 24" mag head pulley.~~
- ~~(15) One (1) No. 111 crusher with a maximum capacity of 700 tons per hour.~~
- ~~(16) One (1) No. 108 conveyor with a maximum capacity of 300 tons per hour.~~
- ~~(17) One (1) No. 139 conveyor with a maximum capacity of 240 tons per hour.~~
- ~~(18) One (1) No. 140 conveyor with a maximum capacity of 550 tons per hour.~~
- ~~(19) One (1) No. 141 secondary crusher with a maximum capacity of 25 tons per hour.~~
- ~~(20) One (1) No. 142 recirculatory conveyor with a maximum capacity of 250 tons per hour.~~
- ~~(21) One (1) No. 143 conveyor with a maximum capacity of 225 tons per hour.~~
- ~~(22) One (1) No. 144 secondary crusher with a maximum capacity of 225 tons per hour.~~
- ~~(23) One (1) No. 145 recirculatory conveyor with a maximum capacity of 225 tons per hour.~~

- ~~(24) — One (1) No. 112 recirculatory conveyor with a maximum capacity of 410 tons per hour.~~
 - ~~(25) — One (1) overband magnet.~~
 - ~~(26) — One (1) 30" mag head pulley.~~
 - ~~(27) — One (1) No. 114 recirculatory FE conveyor with a maximum capacity of 500 tons per hour.~~
 - ~~(28) — One (1) No. 120 conveyor with a maximum capacity of 110 tons per hour.~~
 - ~~(29) — One (1) No. 120F conveyor with a maximum capacity of 10 tons per hour.~~
 - ~~(30) — One (1) No. 120A screen with a maximum capacity of 110 tons per hour.~~
 - ~~(31) — One (1) No. 120B conveyor with a maximum capacity of 120 tons per hour.~~
 - ~~(32) — One (1) 42" mag head pulley.~~
 - ~~(33) — One (1) No. 120E conveyor with a maximum capacity of 10 tons per hour.~~
 - ~~(34) — One (1) No. 120C screen with a maximum capacity of 110 tons per hour.~~
 - ~~(35) — Two (2) truck loading bins.~~
 - ~~(36) — One (1) No. L-7 conveyor with a maximum capacity of 35 tons per hour.~~
 - ~~(37) — One (1) 24" mag head pulley~~
- (d) — An open air Blast Furnace and BOF Slag Finishing Plant constructed in 2003, identified as EU001-05, with a maximum capacity of 250 tons of material per hour, with particulate fugitive emissions controlled by wet suppression, consisting of the following pieces of equipment:
- ~~(1) — Two Syntron Feeders (F1 and F2), with a capacity of 250 tons per hour each.~~
 - ~~(2) — One conveyor (B), with a capacity of 250 tons per hour.~~
 - ~~(3) — One conveyor (A1), with a capacity of 250 tons per hour.~~
 - ~~(4) — One Screen, with a capacity of 250 tons per hour.~~
 - ~~(5) — One Stacker conveyor (C), with a capacity of 48 tons per hour.~~
 - ~~(6) — One conveyor (D), with a capacity of 250 tons per hour.~~
 - ~~(7) — One conveyor (E), with a capacity of 250 tons per hour.~~
 - ~~(8) — One Screen (SC2), with a capacity of 250 tons per hour.~~
 - ~~(9) — One conveyor (F), with a capacity of 110 tons per hour.~~
 - ~~(10) — One conveyor (G), with a capacity of 110 tons per hour.~~
 - ~~(11) — One conveyor (H), with a capacity of 50 tons per hour.~~
 - ~~(12) — One horizontal screen (SC3), with a capacity of 50 tons per hour.~~
 - ~~(13) — One radial stack conveyor (S4), with a capacity of 110 tons per hour.~~
 - ~~(14) — One radial stack conveyor (S5), with a capacity of 50 tons per hour.~~
 - ~~(15) — One conveyor (I), with a capacity of 200 tons per hour.~~
 - ~~(16) — One conveyor (J), with a capacity of 113 tons per hour.~~
 - ~~(17) — One conveyor (K), with a capacity of 113 tons per hour.~~
 - ~~(18) — One radial stack conveyor (S2), with a capacity of 113 tons per hour.~~
 - ~~(19) — One conveyor/stacker CC1, with a capacity of 50 tons per hour.~~
 - ~~(20) — One conveyor/stacker CC2, with a capacity of 200 tons per hour.~~
- (21) — Four additional conveyors constructed in 2004:
- ~~(A) — One conveyor (T1), with a capacity of 200 tons per hour.~~
 - ~~(B) — One conveyor (T2), with a capacity of 200 tons per hour.~~
 - ~~(C) — One conveyor (T3), with a capacity of 48 tons per hour.~~
 - ~~(D) — One conveyor (A2), with a capacity of 250 tons per hour.~~
- (22) — One (1) crusher, with a maximum capacity of 200 tons per hour, approved in 2010 for construction.
- (23) — Three (3) truck loading bins, approved in 2010 for construction.
- (e) — One (1) portable crushing and screening operation, constructed in 2007, with a maximum capacity of 600 tons of slag per hour, with particulate fugitive emissions controlled by wet suppression, consisting of: ——
- (1) — Two (2) portable crushers each with a maximum capacity of 300 tons per hour.
 - (2) — One (1) portable screen with a maximum capacity of 300 tons per hour, powered by a 70 Hp diesel engine.

- ~~(3) — Nine (9) portable conveyors each with a maximum capacity of 300 tons per hour.~~
- ~~(f) — One (1) portable barge loading unit for nut coke and slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 300 tons per hour, constructed in 2006.~~
- ~~(g) — One (1) portable barge loading unit for slag, consisting of a feed hopper, screen, and conveyor/stacker with a maximum capacity of 400 tons per hour, approved in 2010 for construction.~~
- ~~(h) — One (1) portable boat loading unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 1500 tons per hour, approved in 2010 for construction.~~
- ~~(i) — One (1) portable stacking unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 250 tons per hour, approved in 2010 for construction.~~
- ~~(j) — One (1) portable screen unit for slag and scarfing material, consisting of a screen and conveyor/stacker, with a maximum capacity of 250 tons per hour, approved in 2010 for construction.~~
- ~~(k) — One (1) portable screen unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 250 tons per hour, permitted for construction in 2010.~~
- ~~(l) — Two (2) portable stackers with a maximum capacity of 200 tons per hour each, approved in 2010 for construction.~~
- ~~(m) — Two (2) portable generators one (1) with a maximum capacity of 205 kw and one (1) with a maximum capacity of 250 kw, approved in 2010 for construction.~~
- ~~(n) — One (1) portable generator with a maximum capacity of 105 kw, approved in 2010 for construction.~~
- ~~(o) — Four (4) portable conveyors, each with a maximum capacity of 450 tons per hour, approved in 2011 for construction.~~
- (pc) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.
- ~~(q) — One (1) portable loader with feeder and conveyor/stacker (2 drop points, each drop point with a maximum capacity of 450 tons/hour, approved in 2011 for construction.~~
- ~~(r) — One Portable Plant No. 2, approved in 2011 for construction consisting of:
 - ~~(1) — One (1) grizzly, with a maximum capacity of 500 tons per hour.~~
 - ~~(2) — One (1) feed hopper, with a maximum capacity of 500 tons per hour.~~
 - ~~(3) — Three (3) conveyors, each with a maximum capacity of 500 tons per hour.~~
 - ~~(4) — One (1) feeder, with a maximum capacity of 500 tons per hour.~~
 - ~~(5) — One (1) screen, with a maximum capacity of 500 tons per hour.~~
 - ~~(6) — Four (4) screen output conveyors (4 split: 3 discharge and 1 return), with a maximum capacity of 500 tons per hour.~~
 - ~~(7) — Four (4) stacker/conveyors (4 split: 2 stackers, 1 finishing and 1 spare), with a maximum capacity of 500 tons per hour.~~
 - ~~(8) — One (1) impactor/crusher, with a maximum capacity of 500 tons per hour.~~
 - ~~(9) — Three (3) magnets with a maximum capacity of 15 tons per hour.~~
 - ~~(10) — Two (2) portable diesel fired generatyor, one with a capacity of 535 Hp and one with a capacity of 630 Hp.~~
 - ~~(11) — Two (2) portable diesel fired engines, one with a capacity of 75 Hp and one with a capacity of 65 Hp.~~~~

(d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) One (1) step deck feeder (F1), with a capacity of 1500 tph

(B) Crushing

- (1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
- (2) One (1) conveyor (C5), with a capacity of 500 tph
- (3) One (1) mag/pendulum head pulley (C5)
- (4) One (1) dual finger gate splitter at C5
- (5) One (1) dual finger gate splitter at Crusher/Impactor
- (6) One (1) pan feeder (F3), with a capacity of 510 tph
- (7) One (1) pan feeder (F4), with a capacity of 500 tph
- (8) One (1) jaw crusher, with a capacity of 500 tph
- (9) One (1) impactor, with a capacity of 500 tph
- (10) One (1) conveyor (C6A), with a capacity of 500 tph
- (11) One (1) conveyor (C6B), with a capacity of 500 tph

(C) Screening

- (1) One (1) conveyor (C1), with a capacity of 1500 tph
- (2) One (1) 150-ton bin, with a capacity of 1500 tph
- (3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
- (4) One (1) conveyor (C2), with a capacity of 1500 tph
- (5) One (1) mag head pulley (C2)
- (6) One (1) dual finger gate splitter at C2
- (7) One (1) dual finger gate splitter at F6/F7
- (8) One (1) feeder (F6), with a capacity of 750 tph
- (9) One (1) feeder (F7), with a capacity of 750 tph
- (10) One (1) conveyor (C3A), with a capacity of 750 tph
- (11) One (1) conveyor (C3B), with a capacity of 750 tph
- (12) One (1) triple chute gate splitter at S1/S2/S3
- (13) One (1) screen (S1), with a capacity of 750 tph
- (14) One (1) dual finger gate splitter at S1
- (15) One (1) conveyor (C7A), with a capacity of 500 tph
- (16) One (1) screen (S2), with a capacity of 750 tph
- (17) One (1) dual finger gate splitter at S2
- (18) One (1) conveyor (C7B), with a capacity of 500 tph
- (19) One (1) screen (S3), with a capacity of 750 tph
- (20) One (1) dual finger gate splitter at S3
- (21) One (1) conveyor (C7C), with a capacity of 500 tph
- (22) One (1) conveyor (C11A), with a capacity of 1000 tph
- (23) One (1) stk conveyor (C15), with a capacity of 1000 tph
- (24) One (1) conveyor (C9), with a capacity of 700 tph
- (25) One (1) stk conveyor (C14), with a capacity of 700 tph
- (26) One (1) conveyor (C8), with a capacity of 400 tph
- (27) One (1) stk conveyor (C13), with a capacity of 178.2 tph
- (28) One (1) mag head pulley (C13), with a capacity of 400 tph
- (29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

- (1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
- (2) One (1) feeder (F8), with a capacity of 700 tph
- (3) One (1) conveyor (C4), with a capacity of 700 tph

- (4) One (1) dual finger gate splitter at C4
- (5) One (1) screen (S4), with a capacity of 350 tph
- (6) One (1) dual finger gate splitter at S4
- (7) One (1) conveyor (C10A), with a capacity of 200 tph
- (8) One (1) screen (S5), with a capacity of 350 tph
- (9) One (1) dual finger gate splitter at S5
- (10) One (1) conveyor (C10B), with a capacity of 200 tph
- (11) One (1) conveyor (C11B), with a capacity of 400 tph
- (12) One (1) stk conveyor (C17), with a capacity of 400 tph
- (13) One (1) conveyor (C12), with a capacity of 400 tph
- (14) One (1) stk conveyor (C16), with a capacity of 400 tph
- (15) One (1) conveyor (C18), with a capacity of 200 tph
- (16) One (1) stk conveyor (C19), with a capacity of 200 tph

(e) **Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:**

- (1) One (1) feed hopper (B1), with a capacity of 500 tph
- (2) One (1) feeder (F9), with a capacity of 500 tph
- (3) One (1) conveyor (C1), with a capacity of 500 tph
- (4) One (1) conveyor (C2), with a capacity of 800 tph
- (5) One (1) crusher, with a capacity of 500 tph
- (6) One (1) conveyor (C5), with a capacity of 500 tph
- (7) One (1) screen (S1), with a capacity of 400 tph
- (8) One (1) conveyor (C3), with a capacity of 150 tph
- (9) One (1) screen (S2), with a capacity of 400 tph
- (10) One (1) conveyor (C4), with a capacity of 150 tph
- (11) One (1) conveyor (C10), with a capacity of 300 tph
- (12) One (1) stk conveyor (C11), with a capacity of 55 tph
- (13) One (1) conveyor (C8), with a capacity of 250 tph
- (14) One (1) mag cross belt (M2)
- (15) One (1) stk conveyor (C9), with a capacity of 78.375 tph
- (16) One (1) conveyor (C6), with a capacity of 250 tph
- (17) One (1) mag cross belt (M1)
- (18) One (1) stk conveyor (C7), with a capacity of 250 tph

(f) **Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:**

(A) Portable Plant 1

- (1) One (1) conveyor, with a capacity of 600 tph
- (2) One (1) portable crusher, with a capacity of 600 tph
- (3) One (1) conveyor, with a capacity of 600 tph
- (4) One (1) portable screen, with a capacity of 600 tph
- (5) Three (3) portable input conveyors (33%), with a capacity of 600 tph
- (6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph

(B) Portable boat loader

- (1) One (1) feed hopper, with a capacity of 1500 tph
- (2) One (1) conveyor/stacker, with a capacity of 1500 tph

(C) Portable stacker

- (1) One (1) feed hopper, with a capacity of 250 tph
- (2) One (1) conveyor/stacker, with a capacity of 250 tph

- (D) Portable screener
 - (1) One (1) screen, with a capacity of 250 tph
 - (2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph

- (E) Portable screener
 - (1) One (1) feed hopper, with a capacity of 250 tph
 - (2) One (1) screen, with a capacity of 250 tph
 - (3) One (1) conveyor/stacker, with a capacity of 250 tph

- (F) Portable Plant 2
 - (1) One (1) grizzly, with a capacity of 500 tph
 - (2) One (1) feeder, with a capacity of 500 tph
 - (3) One (1) screen, with a capacity of 500 tph
 - (4) Four (4) output conveyors (25% ea), with a capacity of 500 tph
 - (5) One (1) crusher or impactor, with a capacity of 500 tph
 - (6) One (1) magnet

- (g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.

- (h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.

- (i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

...

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, T127-29719-00026, 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]~~

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

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

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

~~B.6 — Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]~~

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

~~B.7 — Duty to Provide Information [326 IAC 2-7-5(6)(E)]~~

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

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

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

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

~~(i) — it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and~~

~~(ii) — the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~

~~(b) — The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.~~

~~(c) — A responsible official is defined at 326 IAC 2-7-1(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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~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 that meets the requirements of 326 IAC 2-7-6(1) by a "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) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit, for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:~~
- ~~(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 46204-2254~~

~~The PMP extension notification does not require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

- ~~(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. The PMPs and their submittal do not require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

- ~~(c) To the extent the Permittee is required by 40 CFR 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 the Northwest Regional Office, no later than 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~~

~~and for the Northwest Regional Office;~~

~~Telephone Number: 1-888-209-8892 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Telephone Number: 219-757-0265 (ask for Compliance and Enforcement Branch)
Facsimile Number: 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 46204-2254~~

~~no later than 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 that meets the requirements of 326 IAC 2-7-6(1) by a "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.~~

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(e)(7)]~~

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

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

~~(a) All terms and conditions of permits established prior to T127-7656-00026 and issued pursuant to permitting programs approved into the state implementation plan have been:~~

~~(1) incorporated as originally stated,~~

~~(2) revised under 326 IAC 2-7-10.5, or~~

~~(3) deleted under 326 IAC 2-7-10.5.~~

~~(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit~~

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

~~The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).~~

~~B.15 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 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 that meets the requirements of 326 IAC 2-7-6(1) by a "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.16 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]~~

- ~~(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~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 46204-2254~~

- ~~(b) A timely renewal application is one that is:
 - ~~(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~
 - ~~(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~~~
- ~~(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ, any additional information identified as being needed to process the application.~~

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

- ~~(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~
- ~~(b) Any application requesting an amendment or modification of this permit shall be submitted to:~~

~~Indiana Department of Environmental Management~~

Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254

Any such application shall be certified by a "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.18 — Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]~~

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

~~B.19 — Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]~~

- ~~(a) — The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (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 46204-2254~~

~~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 that meets the requirements of 326 IAC 2-7-6(1) by a "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.20 — Source Modification Requirement [326 IAC 2-7-10.5]~~

~~(a) — A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.~~

~~(b) — Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.~~

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

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

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

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

- ~~(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance~~
- ~~with this permit or applicable requirements.~~

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

- ~~(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.~~
- ~~(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:~~

~~Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~The application, which shall be submitted by the Permittee, does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

- ~~(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(e)(3)]~~

~~B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1-1-7]~~

- ~~(a) The Permittee shall pay annual fees to IDEM, OAQ, no later than thirty (30) calendar days of receipt of a billing. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittee's annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 does not pay its annual Part permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. 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.~~

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

~~B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]~~

~~For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the~~

~~Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.~~

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

~~(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~

~~(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.~~

C.3 ~~Open Burning [326 IAC 4-1] [IC 13-17-9]~~

~~The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.~~

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

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

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

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

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

~~Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan, submitted on May 30, 2007 and revised on February 1, 2012. The plan is included as Attachment A.~~

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

~~The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.~~

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

~~(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos-containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of~~

~~326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.~~

- ~~(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:~~
- ~~(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or~~
- ~~(2) If there is a change in the following:~~
- ~~(A) Asbestos removal or demolition start date;~~
- ~~(B) Removal or demolition contractor; or~~
- ~~(C) Waste disposal site.~~
- ~~(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).~~
- ~~(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).~~

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254

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

- ~~(e) Procedures for Asbestos Emission Control~~
~~The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.~~
- ~~(f) Demolition and Renovation~~
~~The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).~~
- ~~(g) Indiana Licensed Asbestos Inspector~~
~~The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.~~

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

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

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

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~no later than thirty five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by a "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 a "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

~~Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial start-up, whichever is later, 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 46204-2254~~

~~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 that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

~~C.12 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.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]~~

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

- ~~(a) The Permittee shall 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 46204-2254~~
- ~~no later than ninety (90) days after the date of issuance of this permit.~~
- ~~The ERP does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~
- ~~(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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]~~

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

~~C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]~~

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

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

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

~~C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]~~

- ~~(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.~~
- ~~(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred and eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.~~
- ~~(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.~~

~~The response action documents submitted pursuant to this condition do require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

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

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

- ~~(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);~~
- ~~(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.~~

~~The statement must be submitted to:~~

~~Indiana Department of Environmental Management~~

Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2254

The emission statement does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

- ~~(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~
- ~~(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such record keeping.~~
- ~~(c) If there is 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)) 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) Prior to commencing the 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.~~~~~~
 - ~~(2) 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~~
 - ~~(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.~~~~

~~C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11][326 IAC 2-2][326 IAC 2-3]~~

- ~~(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be~~

~~submitted no later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(b) The address for report submittal is:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

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

~~(e) If the Permittee is required to comply with the recordkeeping provisions of (c) 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).~~

~~(f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:~~

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

~~(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.~~

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

~~(4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.~~

~~Reports required in this part shall be submitted to:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~(g) The Permittee shall make the information required to be documented and maintained in~~

~~accordance with (c) in Section C -- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.~~

Stratospheric Ozone Protection

~~C.20 Compliance with 40 CFR 82 and 326 IAC 22-4~~

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

SECTION 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, 127-29719-00026, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

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

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

- (a) **A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:**
 - (1) **it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and**
 - (2) **the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.**
- (b) **The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.**
- (c) **A "responsible official" is defined at 326 IAC 2-7-1(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][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) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:**
 - (1) **Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;**
 - (2) **A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and**
 - (3) **Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.**

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (b) **A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;**

**Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.**
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.**
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.**
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.**
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.**
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.**

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

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

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

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

- (c) **No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.**
- (d) **Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:**
 - (1) **The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;**
 - (2) **The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;**
 - (3) **The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and**
 - (4) **The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.**
- (e) **This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).**
- (f) **This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]**
- (g) **This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]**

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

- (a) **All terms and conditions of permits established prior to 127-29719-00026 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
 - (1) **incorporated as originally stated,**
 - (2) **revised under 326 IAC 2-7-10.5, or**
 - (3) **deleted under 326 IAC 2-7-10.5.**
- (b) **Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.**

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) **This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this**

permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

(a) **Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.**

(b) **Any application requesting an amendment or modification of this permit shall be submitted to:**

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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.18 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]**

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

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

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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

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

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

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

(4) **The Permittee notifies the:**

Indiana Department of Environmental Management

**Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
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)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

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

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) **Emission Trades [326 IAC 2-7-20(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) **Alternative Operating Scenarios [326 IAC 2-7-20(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

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

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

- (a) **Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;**
- (b) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;**
- (c) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;**
- (d) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and**
- (e) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.**

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

- (a) **The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.**
- (b) **Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:**

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittees' annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 source does not pay its annual Part 70 permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

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

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

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c)** Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality

**100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.12 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.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) **The Permittee shall 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**

no later than ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:
- (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the Part 70 permit.
- Records of required monitoring information include the following:
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for

the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

- (c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:**
 - (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:**
 - (A) A description of the project.**
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
 - (i) Baseline actual emissions;**
 - (ii) Projected actual emissions;**
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and**
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.**

- (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:**
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**

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

**C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]
[326 IAC 2-2][326 IAC 2-3]**

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B – Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) 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.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
 - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

- (2) **The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).**
- (f) **The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:**
 - (1) **The name, address, and telephone number of the major stationary source.**
 - (2) **The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.**
 - (3) **The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).**
 - (4) **Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.**

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: **Burns Harbor Site**

- (a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by front end loader from the BOF, identified as EU001-01, with a maximum of 5 slag pots per hour, with collective fugitive emissions EP001-9011.
- (b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.
- (c) An open air Blast Furnace and BOF Slag Batch Unloading/Processing/Loading operation (Separation Plant) constructed in 1969, and modified in 2010, identified as EU001-02, with a maximum capacity of 1,150 tons of material per hour, with PM controlled by water sprays, consisting of the following equipment:
 - (1) One (1) grizzly and feed hopper with a maximum capacity of 350 tons per hour.

- (2) One (1) No. 101 feeder with a maximum capacity of 1,150 tons per hour.
- (3) One (1) No. 102 belt feeder with a maximum capacity of 1,000 tons per hour.
- (4) One (1) No. 103 72" drum magnet.
- (5) One (1) No. 103-A swinging pendulum magnet.
- (6) One (1) No. 104 main conveyor with a maximum capacity of 1,260 tons per hour.
- (7) One (1) 42" mag head pulley.
- (8) One (1) Nos. 105 and 106 screens with a maximum capacity of 630 tons per hour each.
- (9) One (1) No. 107 conveyor with a maximum capacity of 550 tons per hour.
- (10) One (1) No. 109 radial stacker with a maximum capacity of 550 tons per hour.
- (11) One (1) 30" mag head pulley.
- (12) One (1) No. 107-A conveyor with a maximum capacity of 550 tons per hour.
- (13) One (1) No. 110 radial stacker with a maximum capacity of 550 tons per hour.
- (14) One (1) 24" mag head pulley.
- (15) One (1) No. 111 crusher with a maximum capacity of 700 tons per hour.
- (16) One (1) No. 108 conveyor with a maximum capacity of 300 tons per hour.
- (17) One (1) No. 139 conveyor with a maximum capacity of 210 tons per hour.
- (18) One (1) No. 140 conveyor with a maximum capacity of 550 tons per hour.
- (19) One (1) No. 141 secondary crusher with a maximum capacity of 25 tons per hour.
- (20) One (1) No. 142 recirculatory conveyor with a maximum capacity of 250 tons per hour.
- (21) One (1) No. 143 conveyor with a maximum capacity of 225 tons per hour.
- (22) One (1) No. 144 secondary crusher with a maximum capacity of 225 tons per hour.
- (23) One (1) No. 145 recirculatory conveyor with a maximum capacity of 225 tons per hour.
- (24) One (1) No. 112 recirculatory conveyor with a maximum capacity of 410 tons per hour.
- (25) One (1) overband magnet.
- (26) One (1) 30" mag head pulley.
- (27) One (1) No. 114 recirculatory FE conveyor with a maximum capacity of 500 tons per hour.
- (28) One (1) No. 120 conveyor with a maximum capacity of 110 tons per hour.
- (29) One (1) No. 120F conveyor with a maximum capacity of 10 tons per hour.
- (30) One (1) No. 120A screen with a maximum capacity of 110 tons per hour.
- (31) One (1) No. 120B conveyor with a maximum capacity of 120 tons per hour.
- (32) One (1) 42" mag head pulley.
- (33) One (1) No. 120E conveyor with a maximum capacity of 10 tons per hour.
- (34) One (1) No. 120C screen with a maximum capacity of 110 tons per hour.
- (35) Two (2) truck loading bins.
- (36) One (1) No. L-7 conveyor with a maximum capacity of 35 tons per hour.
- (37) One (1) 24" mag head pulley.

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

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

D.1.1 PSD and Nonattainment NSR Minor Limit [326 IAC 2-2] [326 IAC 2-1.1-5]

In order to avoid the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-1.1-5 (Nonattainment New Source Review), the total throughput to the Scrap Loading Bins (EU001 and EU02) shall be limited to less than 201,480 tons per twelve consecutive month period with compliance at the end of each month and their PM, PM10 and PM2.5 shall not exceed the limits in the table below:

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Scrap Loading Bins, EU001 and EU02	0.0003	0.00011	0.00011

Compliance with these limits, in conjunction with the limits in Condition D.2.1(b) and Condition D.3.1(c) shall limit the PM emissions to less than twenty-five (25) tons per year, the PM10 emissions to less than fifteen (15) tons per year, and the PM2.5 emissions to less than ten (10) tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable to this modification.

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

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the Separation Plant (EU001-02) shall not exceed the limits in the table below.

Facility/Process	Process Weight Rate (ton/hour)	Particulate Emissions Limitation (pound/hour)
Slag Pots Dumping and Handling	187	57.8
Separation Plant		
conveyor/stacker no. 104	1,260	80.6
conveyor/stacker no. 139	210	59.0
conveyor/stacker no. 107	550	70.1
conveyor/stacker no. 142	250	60.9
conveyor/stacker no. 143	225	59.8
conveyor/stacker no. 145	225	59.8
conveyor/stacker no. 108	300	63.0
conveyor/stacker no. 140	550	70.1
conveyor/stacker no. 109	550	70.1
conveyor/stacker no. 110	550	70.1
conveyor/stacker no. 107A	550	70.1
conveyor/stacker no. 112	410	66.6
conveyor/stacker no. 114	500	68.9
conveyor/stacker no. 120F	10	19.2
conveyor/stacker no. 120	110	52.2
conveyor/stacker no. 120B	120	53.1
conveyor/stacker no. 120 E	10	19.2
conveyor/stacker no. L-7	35	41.3
crusher (primary) no. 111	700	73.0
crusher (secondary) no. 141	25	35.4
crusher (secondary) no. 144	225	59.8
belt feeder (conveyor) no. 102	1000	77.6
grizzly/feeder	350	64.8
feeder no. 101	1150	79.4

Facility/Process	Process Weight Rate (ton/hour)	Particulate Emissions Limitation (pound/hour)
loading bin	1150	79.4
loading bin	11.5	21.0
loading bin (scrap), EU001	11.5	21.0
loading bin (scrap), EU02	11.5	21.0
magnet (drum) no. 103	11.5	21.0
magnet (pendulum) no. 103A	11.5	21.0
magnet (overband)	11.5	21.0
magnet (pulley) 42"	11.5	21.0
magnet (pulley) 30"	11.5	21.0
magnet (pulley) 24"	11.5	21.0
magnet (pulley) 30"	11.5	21.0
screen no. 105	630	71.8
screen no. 106	630	71.8
screen no. 120 A	110	52.2
screen no. 120C	110	52.2

The pound per hour limitations above were calculated using the following equation:

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

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

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

$$E = 55.0 P^{0.14} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.}$$

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

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

The Preventative Maintenance Plan is required for this facility and its emission control devices. Section B Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.4 Particulate Matter [326 IAC 2-7-6(6)]

In order to comply with Condition D.1.1 and D.1.2, the Permittee shall use wet suppression to control emissions of PM and PM-10 from the conveyors, screens, feeders, hoppers, crushers, magnetic head pulleys, and stackers. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-1.1-5 and 326 IAC 6-3. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the slag material to ensure it has a moisture content greater than 0.92 percent.

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

D.1.5 ~~Visible Emissions Notations~~

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

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

D.1.6 ~~Record Keeping Requirements~~

- ~~(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records of the Scrap Loading Bin, EU001 and Scrap Loading Bin, EU002 throughput weight for each compliance period.~~
- ~~(b) To document the compliance status with condition D.1.4, the Permittee shall maintain records of the chemical analysis of the slag material, as needed, to demonstrate compliance during times the wet suppression is not used due to weather.~~
- ~~(c) To document the compliance status with condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).~~
- ~~(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.~~

D.1.7 ~~Reporting Requirements~~

~~A quarterly report of the Scrap Loading Bins EU001 and EU002 throughput weight and a quarterly summary of the information to document the compliance status with D.1.1 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).~~

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: **Burns Harbor Site**

- (d) An open air Blast Furnace and BOF Slag Finishing Plant constructed in 2003, identified as EU001-05, with a maximum capacity of 250 tons of material per hour, with particulate fugitive emissions controlled by wet suppression, consisting of the following pieces of equipment:
- (1) Two Syntron Feeders (F1 and F2), with a capacity of 250 tons per hour each.
 - (2) One conveyor (B), with a capacity of 250 tons per hour.
 - (3) One conveyor (A1), with a capacity of 250 tons per hour.
 - (4) One Screen, with a capacity of 250 tons per hour.
 - (5) One Stacker conveyor (C), with a capacity of 48 tons per hour.
 - (6) One conveyor (D), with a capacity of 250 tons per hour.
 - (7) One conveyor (E), with a capacity of 250 tons per hour.
 - (8) One Screen (SC2), with a capacity of 250 tons per hour.
 - (9) One conveyor (F), with a capacity of 110 tons per hour.
 - (10) One conveyor (G), with a capacity of 110 tons per hour.
 - (11) One conveyor (H), with a capacity of 50 tons per hour.
 - (12) One horizontal screen (SC3), with a capacity of 50 tons per hour.
 - (13) One radial stack conveyor (S4), with a capacity of 110 tons per hour.
 - (14) One radial stack conveyor (S5), with a capacity of 50 tons per hour.
 - (15) One conveyor (I), with a capacity of 200 tons per hour.
 - (16) One conveyor (J), with a capacity of 113 tons per hour.
 - (17) One conveyor (K), with a capacity of 113 tons per hour.
 - (18) One radial stack conveyor (S2), with a capacity of 113 tons per hour.
 - (19) One conveyor/stacker CC1, with a capacity of 50 tons per hour.
 - (20) One conveyor/stacker CC2, with a capacity of 200 tons per hour.
 - (21) Four additional conveyors constructed in 2004:
 - (A) One conveyor (T1), with a capacity of 200 tons per hour.
 - (B) One conveyor (T2), with a capacity of 200 tons per hour.
 - (C) One conveyor (T3), with a capacity of 48 tons per hour.
 - (D) One conveyor (A2), with a capacity of 250 tons per hour.
 - (22) One (1) crusher, with a maximum capacity of 200 tons per hour, approved in 2010 for construction.
 - (23) Three (3) truck loading bins, approved in 2010 for construction.

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

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

D.2.1 PSD and Nonattainment NSR Minor Limit [326 IAC 2-2] [326 IAC 2-1-1.5]

- (a) In order to avoid the requirements of Prevention of Significant Deterioration, the throughput to the Finishing Plant (EU001-05) shall be limited to less than 1,752,000 tons per twelve consecutive month period with compliance at the end of each month and the PM₁₀ and PM_{2.5}, emission rates from the following emission units at the Finishing Plant (EU001-05) shall not exceed the limits indicated below:

Process	Emission Limit (lb/ton)	
	PM	PM-10
Two Syntron Feeders, A1, A2	0.0003	0.00011
Conveyor/stacker, A1	0.0003	0.00011
Conveyor/stacker, B	0.0003	0.00011
Conveyor/stacker, C	0.0003	0.00011
Conveyor/stacker, D	0.0003	0.00011
Conveyor/stacker, E	0.0003	0.00011
Conveyor/stacker, F	0.0003	0.00011
Conveyor/stacker, G	0.0003	0.00011
Conveyor/stacker, H	0.0003	0.00011
Conveyor/stacker, I	0.0003	0.00011
Conveyor/stacker, J	0.0003	0.00011
Two (2) Screens, DD, SC2	0.0025	0.00087
Screen SC3	0.0025	0.00087
Conveyor/radial Stacker S2	0.0003	0.00011
Conveyor/radial Stacker, S4	0.0003	0.00011
Conveyor/radial Stacker, S5	0.0003	0.00011
Conveyor/radial Stacker, GC1	0.0003	0.00011
Conveyor/radial Stacker, GC2	0.0003	0.00011

Compliance with these limits, shall limit the PM emission to less than 25 tons/year and PM10 emissions to less than 15 tons per year from the Finishing Plant. Therefore, 326 IAC 2-2 (Prevention of Significant Deterioration) are rendered not applicable to this modification.

- (b) In order to avoid the requirements of Prevention of Significant Deterioration and Nonattainment New Source Review the PM, PM10 and PM2.5 emission for the following emission units at the Finishing Plant (EU001-05) shall not exceed the limits indicated below:

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Crusher	0.00054	0.00024	0.00024
Truck Loading Bin	0.0003	0.00011	0.00011
Truck Loading Bin, CAII	0.0003	0.00011	0.00011
Truck Loading Bin FA20	0.0003	0.00011	0.00011

Compliance with these limits, in conjunction with the limits in Conditions D.1.1, throughput limit in D.2.1, D.3.1(b) and (c), shall limit the PM emission to less than 25 tons/year, PM10 emissions to less than 15 tons per year and PM2.5 to less than 10 tons per year. Therefore, 326 IAC 2-2 (Prevention of Significant Deterioration) and Nonattainment NSR (326 IAC 2-1-1.5) are rendered not applicable to this modification.

D.2.2 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the Finishing Plant (EU001-05) shall not exceed the limits in the table below

Facility/Process	Process Weight Rate (ton/hour)	Particulate Emissions Limitation (pound/hour)
Finishing Plant		
Feeder, A1	350	64.8
Feeder, A2	350	64.8
Conveyor/stacker, A1	250	60.9
Conveyor/stacker, B	250	60.9
Conveyor/stacker, A2	250	60.9
Conveyor/stacker, T3	48	44.2
Conveyor/stacker, C	48	44.2
Conveyor/stacker, T1	200	58.5
Conveyor/stacker, T2	200	58.5
Conveyor/stacker, D	250	60.9
Conveyor/stacker, E	250	60.9
Conveyor/stacker, J	113	52.5
Conveyor/stacker K	113	52.5
Conveyor/radial stacker, S2	113	52.5
Conveyor/stacker, I	200	58.5
Conveyor/radial stacker, CC2	200	58.5
Conveyor/radial stacker, S5	50	44.6
Conveyor/stacker, H	50	44.6
Conveyor/radial stacker, S4	110	52.2
Conveyor/stacker, F	110	52.2
Conveyor/stacker, G	110	52.2
Conveyor/stacker, T1	200	58.5
Conveyor/stacker, T2	200	58.5
Conveyor/stacker, CC1	50	44.6
Crusher	200	58.5
Screen, DD	250	60.9
Screen, SC2	250	60.9
Screen, SC3	50	44.6
Truck loading bin	105	51.8
Truck loading bin, CA II	105	51.8
Truck loading bin, FA20	105	51.8

The pound per hour limitations above were calculated using the following equation:

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

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

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

~~D.2.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]~~

~~The Preventative Maintenance Plan is required for this facility and its emission control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.~~

Compliance Determination Requirements

~~D.2.4 Particulate Matter [326 IAC 2-7-6(6)]~~

~~In order to comply with Condition D.2.1 and D.2.2, the Permittee shall use wet suppression to control emissions of PM, PM₁₀ and PM_{2.5} emissions from the conveyors, screens, feeders, hoppers, and stackers. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-1.1-5 and 326 IAC 6-3... If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the slag material to ensure its moisture content is greater than 0.92 percent.~~

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

~~D.2.5 Visible Emissions Notations~~

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

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

~~D.2.6 Record Keeping Requirements~~

- ~~(a) To document the compliance status with Conditions D.2.1(a) and (b), the Permittee shall maintain records of the throughput weight from each Finishing Plant (EU001-05) emission unit for each compliance period.~~
- ~~(b) To document the compliance status with condition D.2.4, the Permittee shall maintain records of the chemical analysis of the slag material, as needed, to demonstrate compliance during times the wet suppression is not used due to weather.~~
- ~~(c) To document the compliance status with condition D.2.5, the Permittee shall maintain a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for a lack of visible emission notation (e.g. the process did not operate that day).~~
- ~~(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.~~

D.2.7 Reporting Requirements

~~A quarterly summary of the information to document the compliance status with Conditions D.2.1(a) and (b), shall be submitted no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: **Burns Harbor Site**

- ~~(e) One (1) portable crushing and screening operation, constructed in 2007, with a maximum capacity of 600 tons of slag per hour, with particulate fugitive emissions controlled by wet suppression, consisting of:
 - ~~(1) Two (2) portable crushers each with a maximum capacity of 300 tons per hour.~~
 - ~~(2) One (1) portable screen with a maximum capacity of 300 tons per hour, powered by a 70 Hp diesel engine.~~
 - ~~(3) Nine (9) portable conveyors each with a maximum capacity of 300 tons per hour~~~~
- ~~(f) One (1) portable barge loading unit for nut coke and slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 300 tons per hour, constructed in 2006.~~
- ~~(g) One (1) portable barge loading unit for slag, consisting of a feed hopper, screen, and conveyor/stacker with a maximum capacity of 400 tons per hour, approved in 2010 for construction.~~
- ~~(h) One (1) portable boat loading unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 1500 tons per hour, approved in 2010 for construction.~~
- ~~(i) One (1) portable stacking unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 250 tons per hour, approved in 2010 for construction.~~
- ~~(j) One (1) portable screen unit for slag and scarfing material, consisting of a screen and conveyor/stacker, with a maximum capacity of 250 tons per hour, approved in 2010 for construction.~~
- ~~(k) One (1) portable screen unit for slag, consisting of a feed hopper and conveyor/stacker with a maximum capacity of 250 tons per hour, permitted for construction in 2010.~~
- ~~(l) Two (2) portable stackers with a maximum capacity of 200 tons per hour each, approved in 2010 for construction.~~
- ~~(m) Two (2) portable generators one (1) with a maximum capacity of 205 kw and one (1) with a maximum capacity of 250 kw, approved in 2010 for construction.~~
- ~~(n) One (1) portable generator with a maximum capacity of 105 kw, approved in 2010 for construction.~~
- ~~(o) Four (4) portable conveyors, each with a maximum capacity of 450 tons per hour, approved in 2011 for construction.~~
- ~~(p) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.~~
- ~~(q) One (1) portable loader with feeder and conveyor/stacker (2 drop points, each drop point with a maximum capacity of 450 tons/hour, approved in 2011 for construction.~~
- ~~(r) One Portable Plant No. 2, approved in 2011 for construction consisting of:
 - ~~(1) One (1) grizzly, with a maximum capacity of 500 tons per hour.~~
 - ~~(2) One (1) feed hopper, with a maximum capacity of 500 tons per hour.~~
 - ~~(3) Three (3) conveyors, each with a maximum capacity of 500 tons per hour.~~
 - ~~(4) One (1) feeder, with a maximum capacity of 500 tons per hour.~~
 - ~~(5) One (1) screen, with a maximum capacity of 500 tons per hour.~~
 - ~~(6) Four (4) screen output conveyors (4 split: 3 discharge and 1 return), with a~~~~

<p>maximum capacity of 500 tons per hour.</p> <p>Facility Description [326 IAC 2-7-5(15)]: Burns Harbor Site continuation</p> <p>(7) Four (4) stacker/conveyors (4 split: 2 stackers, 1 finishing and 1 spare), with a maximum capacity of 500 tons per hour.</p> <p>(8) One (1) impactor/crusher, with a maximum capacity of 500 tons per hour.</p> <p>(9) Three (3) magnets with a maximum capacity of 15 tons per hour</p> <p>(10) Two (2) portable diesel fired generator, one with a capacity of 535 Hp and one with a capacity of 630 Hp.</p> <p>(11) Two (2) portable diesel fired engines, one with a capacity of 75 Hp and one with a capacity of 65 Hp.</p> <p>(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)</p>

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

D.3.1 PSD and Nonattainment NSR Minor Limit [326 IAC 2-2] [326 IAC 2-1.1-5]

- (a) In order to avoid the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-1.1-5 (Nonattainment New Source Review), the slag throughput to the Portable Crushing and Screening Plant shall be limited to less than 2,628,000 tons per twelve consecutive month period with compliance at the end of each month and the PM, PM10 and PM2.5 from the following emission units at the Portable Crushing and Screening Plant shall not exceed the limits in the table below:

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Two Crushers	0.00054	0.00024	0.00024
Screen	0.0025	0.00087	0.00087
Nine Conveyors	0.0003	0.00011	0.00011

Compliance with this condition shall limit the PM emissions from the portable crushing and screening operation to less than twenty-five (25) tons/yr PM-10 to less than fifteen (15) tons/yr and PM2.5 to less than 10 tons/year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable to this modification.

- (b) In order to avoid the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-1.1-5 (Nonattainment New Source Review), the PM, PM10 and PM2.5 from the following emission units at the Portable Crushing and Screening Plant shall not exceed the limits in the table below:

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Portable barge loading unit for slag (feeder/conveyor, stacker & screen)	0.0003 feeder/conveyor, stacker & screen	0.00011 feeder/conveyor, stacker & screen	0.00011 feeder/conveyor, stacker & screen
Portable barge loading unit for nut coke and slag (feeder/conveyor & stacker)	0.0003 feeder/conveyor & stacker	0.00011 feeder/conveyor & stacker	0.00011 feeder/conveyor & stacker
Portable boat loader (feeder/conveyor, & stacker)	0.0003 feeder/conveyor & stacker	0.00011 feeder/conveyor & stacker	0.00011 feeder/conveyor & stacker
Portable stacker (feeder/conveyor & stacker)	0.0003 feeder/conveyor &	0.00011 feeder/conveyor &	0.00011 feeder/conveyor &

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
	stacker	stacker	stacker
Screen (screen & stacker/conveyor)	0.0025 screen 0.0003 stacker/conveyor	0.00087 screen 0.00011 stacker/conveyor	0.00087 screen 0.00011 stacker/conveyor
Stacker (Conveyor/stacker)	0.0003	0.00011	0.00011

Compliance with these limits, in addition to the limits from the portable generators in Conditions D.1.1, D.2.1(b), throughput limit in D.3.1(a) and D.3.1(c), shall limit the PM emissions to less than 25 tons per year, the PM10 emissions to less than 15 tons per year, and the PM2.5 emissions to less than 10 tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable to this modification.

- (c) In order to avoid the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-1.1-5 (Nonattainment New Source Review), the Permittee shall limit the throughput of diesel fuel to the portable seven (7) generators and engines to less than a total of 124,830 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. The NOx emissions from the portable seven (7) generators and engines shall not exceed 0.639 pound/gallon of diesel fuel used.

Compliance with the fuel usage and NOx emission rate limits shall limit the NOx emissions from the portable generators and engines to less than 40 tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) are rendered not applicable to this modification.

Compliance with this condition in conjunction with Conditions D.1.1, D.2.1(b), throughput limit in D.3.1(a) and D.3.1(b) shall limit the PM emissions to less than 25 tons/year, PM10 emissions to less than 15 tons/year and PM2.5 to less than 10 tons/year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable to this modification.

- (d) In order to avoid the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-1.1-5 (Nonattainment New Source Review), the throughput to the Portable Plant No. 2 shall be limited to less than 4,380,000 tons per twelve consecutive month period with compliance at the end of each month and the PM, PM10 and PM2.5 emissions from the following emission units at the Portable Plant No.2 shall not exceed the limits indicated below:

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Grizzly	0.0003	0.00011	0.00011
Feed Hopper	0.0003	0.00011	0.00011
Conveyor No.3	0.0003	0.00011	0.00011
Feeder	0.0003	0.00011	0.00011
Conveyor No.5	0.0003	0.00011	0.00011
Screen	0.0025	0.00087	0.00087
Screen output conveyors	0.0025	0.00087	0.00087
Stacker/conveyors	0.0003	0.00011	0.00011
Impactor (crusher)	0.00054	0.00024	0.00024
Magnets	0.0003	0.00011	0.00011
4 Conveyors	0.0003	0.00011	0.00011

Process	Emission Limit (lb/ton)		
	PM	PM-10	PM2.5
Conveyor/Stacker (2 drop points)	0.0003	0.00011	0.00011

Compliance with these limits, in conjunction with the limits in Condition D.3.1(c) shall limit the PM emissions to less than twenty-five (25) tons per year, the PM10 emissions to less than fifteen (15) tons per year, and the PM2.5 emissions to less than ten (10) tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable to this modification.

D.3.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the Finishing Plant (EU001-05) shall not exceed the limits in the table below

Facility/Process	Process Weight Rate (ton/hour)	Particulate Emissions Limitation (pound/hour)
Portable Equipment		
Barge Loader: Feeder/Conveyor Stacker	300	63.0
Barge Loader: Feeder/Conveyor Screen Stacker	400	66.3
Boat Loader: Feeder/Conveyor Stacker	1,500	82.9
Crushing and Screening Operations: Crusher Crusher Screen 9 Conveyors	300 300 300 300 300 total	63.0 63.0 63.0 63.0 63.0
Stacker: Feeder/Conveyor Stacker	250	60.9
Screen Unit: Screen Stacker/Conveyor	250	60.9
Screen Unit: Feeder/Conveyor Screen Conveyor/Stacker	250 250 250	60.9 60.9 60.9
Stacker: Conveyor/Stacker	200	58.5
Stacker: Conveyor/Stacker	200	58.5
Slag Pots Dumping and Handling	187	57.8
Additional Portable Equipment		
4 Portable Conveyors	450 each	67.7 each

Facility/Process	Process Weight Rate (ton/hour)	Particulate Emissions Limitation (pound/hour)
Portable Loader: Feeder	450	67.7
Conveyor/Stacker	450	67.7
Portable Plant No.2		
Grizzly	500	68.9
Feed Hopper	500	68.9
Conveyor	500	68.9
Feeder	500	68.9
Conveyor	500	68.9
Conveyor	500	68.9
Screen	500	68.9
Stacker/Conveyor	500	68.9
Impactor (Crusher)	500	68.9

The pound per hour limitations above were calculated using the following equation:

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

$$E = 55.0 P^{0.44} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and } P = \text{process weight rate in tons per hour.}$$

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

~~D.3.3 Nonroad Engines [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ] [40 CFR 1068.30]~~

In order to render the requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), which are incorporated by reference as 326 IAC 20-82, not applicable and to ensure that all the generators as described in items (m), (n) and (r)(10) and (11) of this SECTION D.3, description box are nonroad engines, as defined in 40 CFR 1068.30, the Permittee shall comply with the following:

- (a) Any of the generators as described in items (m), (n), (r)(10) and (11) of this SECTION D.3, description box, shall remain at a location for a period not to exceed twelve (12) consecutive months.
- (b) For the purposes of this condition and pursuant to 40 CFR 1068.30 *Nonroad Engine* (2)(iii), a location is any single site at a building, structure, facility, or installation.

Compliance with this condition shall render the requirements of 40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) not applicable to these generators.

~~D.3.4 Preventative Maintenance Plan [326 IAC 2-7-5(13)]~~

The Preventative Maintenance Plan is required for this facility and its emission control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

~~D.3.5 Particulate Matter [326 IAC 2-7-6(6)]~~

~~In order to comply with Condition D.3.1 (a), (b), (d) and D.3.2, the The Permittee shall use wet suppression to control emissions of PM and PM-10 from the crushers, screens, and conveyors. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-1.1-5 and 326 IAC 6-3. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the slag material to ensure it has a moisture content greater than 0.92 percent.~~

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

~~D.3.6 Visible Emissions Notations~~

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

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

~~D.3.7 Record Keeping Requirements~~

- ~~(a) To document the compliance status with Condition D.3.1(a), D.3.1(b) and D.3.1(d), the Permittee shall maintain monthly records of the throughput of slag to the portable crushing and screening operation, portable plant no. 2 and to individual portable equipment limited in D.3.1(b).~~
- ~~(b) To document the compliance status with Condition D.3.1(c), the Permittee shall maintain monthly records of the throughput of diesel fuel to the portable generators.~~
- ~~(c) To document the compliance status with condition D.3.5, the Permittee shall maintain records of the chemical analysis of the slag material, as needed, to demonstrate compliance during times the wet suppression is not used due to weather.~~
- ~~(d) To document the compliance status with condition D.3.6, the Permittee shall maintain a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).~~
- ~~(e) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.~~

~~D.3.8 Reporting Requirements~~

~~A quarterly summary of the information to document the compliance status with Conditions D.3.1(a) through (d) shall be submitted no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to~~

~~the reporting required by this condition. The report submitted by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) An open air Slag Pot Dumping operation constructed in 1969 which receives slag pots by pot carrier from the BOF, identified as EU001-01, with collective fugitive emissions EP001-9011.
- (b) An open air Slag Pot Preparation operation constructed in 1969, identified as EU001-04, consisting of relining and conditioning of empty pots, with pot material additive, with collective fugitive emissions EP001-9001.
- (c) Stock piles and product storage piles located at Port of Indiana storage yard, Portage.
- (d) Main Plant, with a maximum material throughput capacity of 1,500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:
 - (A) One (1) step deck feeder (F1), with a capacity of 1500 tph
 - (B) Crushing
 - (1) One (1) pan feeder (F2), with a capacity of 500 tons per hour
 - (2) One (1) conveyor (C5), with a capacity of 500 tph
 - (3) One (1) mag/pendulum head pulley (C5)
 - (4) One (1) dual finger gate splitter at C5
 - (5) One (1) dual finger gate splitter at Crusher/Impactor
 - (6) One (1) pan feeder (F3), with a capacity of 510 tph
 - (7) One (1) pan feeder (F4), with a capacity of 500 tph
 - (8) One (1) jaw crusher, with a capacity of 500 tph
 - (9) One (1) impactor, with a capacity of 500 tph
 - (10) One (1) conveyor (C6A), with a capacity of 500 tph
 - (11) One (1) conveyor (C6B), with a capacity of 500 tph
 - (C) Screening
 - (1) One (1) conveyor (C1), with a capacity of 1500 tph
 - (2) One (1) 150-ton bin, with a capacity of 1500 tph
 - (3) One (1) feeder (MF400) (F5), with a capacity of 1500 tph
 - (4) One (1) conveyor (C2), with a capacity of 1500 tph
 - (5) One (1) mag head pulley (C2)
 - (6) One (1) dual finger gate splitter at C2
 - (7) One (1) dual finger gate splitter at F6/F7
 - (8) One (1) feeder (F6), with a capacity of 750 tph
 - (9) One (1) feeder (F7), with a capacity of 750 tph
 - (10) One (1) conveyor (C3A), with a capacity of 750 tph
 - (11) One (1) conveyor (C3B), with a capacity of 750 tph
 - (12) One (1) triple chute gate splitter at S1/S2/S3
 - (13) One (1) screen (S1), with a capacity of 750 tph
 - (14) One (1) dual finger gate splitter at S1
 - (15) One (1) conveyor (C7A), with a capacity of 500 tph
 - (16) One (1) screen (S2), with a capacity of 750 tph
 - (17) One (1) dual finger gate splitter at S2
 - (18) One (1) conveyor (C7B), with a capacity of 500 tph

- (19) One (1) screen (S3), with a capacity of 750 tph
- (20) One (1) dual finger gate splitter at S3
- (21) One (1) conveyor (C7C), with a capacity of 500 tph
- (22) One (1) conveyor (C11A), with a capacity of 1000 tph
- (23) One (1) stk conveyor (C15), with a capacity of 1000 tph
- (24) One (1) conveyor (C9), with a capacity of 700 tph
- (25) One (1) stk conveyor (C14), with a capacity of 700 tph
- (26) One (1) conveyor (C8), with a capacity of 400 tph
- (27) One (1) stk conveyor (C13), with a capacity of 178.2 tph
- (28) One (1) mag head pulley (C13), with a capacity of 400 tph
- (29) One (1) dual finger gate splitter at C13

(D) Scrap Processing

- (1) One (1) 50-ton scrap bin (F1), with a capacity of 700 tph
- (2) One (1) feeder (F8), with a capacity of 700 tph
- (3) One (1) conveyor (C4), with a capacity of 700 tph
- (4) One (1) dual finger gate splitter at C4
- (5) One (1) screen (S4), with a capacity of 350 tph
- (6) One (1) dual finger gate splitter at S4
- (7) One (1) conveyor (C10A), with a capacity of 200 tph
- (8) One (1) screen (S5), with a capacity of 350 tph
- (9) One (1) dual finger gate splitter at S5
- (10) One (1) conveyor (C10B), with a capacity of 200 tph
- (11) One (1) conveyor (C11B), with a capacity of 400 tph
- (12) One (1) stk conveyor (C17), with a capacity of 400 tph
- (13) One (1) conveyor (C12), with a capacity of 400 tph
- (14) One (1) stk conveyor (C16), with a capacity of 400 tph
- (15) One (1) conveyor (C18), with a capacity of 200 tph
- (16) One (1) stk conveyor (C19), with a capacity of 200 tph

(e) Chip Plant, with a maximum material throughput capacity of 500 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

- (1) One (1) feed hopper (B1), with a capacity of 500 tph
- (2) One (1) feeder (F9), with a capacity of 500 tph
- (3) One (1) conveyor (C1), with a capacity of 500 tph
- (4) One (1) conveyor (C2), with a capacity of 800 tph
- (5) One (1) crusher, with a capacity of 500 tph
- (6) One (1) conveyor (C5), with a capacity of 500 tph
- (7) One (1) screen (S1), with a capacity of 400 tph
- (8) One (1) conveyor (C3), with a capacity of 150 tph
- (9) One (1) screen (S2), with a capacity of 400 tph
- (10) One (1) conveyor (C4), with a capacity of 150 tph
- (11) One (1) conveyor (C10), with a capacity of 300 tph
- (12) One (1) stk conveyor (C11), with a capacity of 55 tph
- (13) One (1) conveyor (C8), with a capacity of 250 tph
- (14) One (1) mag cross belt (M2)
- (15) One (1) stk conveyor (C9), with a capacity of 78.375 tph
- (16) One (1) conveyor (C6), with a capacity of 250 tph
- (17) One (1) mag cross belt (M1)
- (18) One (1) stk conveyor (C7), with a capacity of 250 tph

(f) Portable/Auxiliary Equipment, with a maximum material throughput capacity of 600 tons per hour (tph), approved in 2012 for construction, using wet suppressant for fugitive emissions control, consisting of the following equipment:

(A) Portable Plant 1

- (1) One (1) conveyor, with a capacity of 600 tph**
- (2) One (1) portable crusher, with a capacity of 600 tph**
- (3) One (1) conveyor, with a capacity of 600 tph**
- (4) One (1) portable screen, with a capacity of 600 tph**
- (5) Three (3) portable input conveyors (33%), with a capacity of 600 tph**
- (6) Three (3) portable output stacker/conveyors (33% ea), with a capacity of 600 tph**

(B) Portable boat loader

- (1) One (1) feed hopper, with a capacity of 1500 tph**
- (2) One (1) conveyor/stacker, with a capacity of 1500 tph**

(C) Portable stacker

- (1) One (1) feed hopper, with a capacity of 250 tph**
- (2) One (1) conveyor/stacker, with a capacity of 250 tph**

(D) Portable screener

- (1) One (1) screen, with a capacity of 250 tph**
- (2) Three (3) conveyor/stackers (33% each), with a capacity of 250 tph**

(E) Portable screener

- (1) One (1) feed hopper, with a capacity of 250 tph**
- (2) One (1) screen, with a capacity of 250 tph**
- (3) One (1) conveyor/stacker, with a capacity of 250 tph**

(F) Portable Plant 2

- (1) One (1) grizzly, with a capacity of 500 tph**
- (2) One (1) feeder, with a capacity of 500 tph**
- (3) One (1) screen, with a capacity of 500 tph**
- (4) Four (4) output conveyors (25% ea), with a capacity of 500 tph**
- (5) One (1) crusher or impactor, with a capacity of 500 tph**
- (6) One (1) magnet**

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

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

D.1.1 PSD Minor Limit [326 IAC 2-2]

- (a) Only slag and metallic material shall be processed at Main Plant.**
- (b) The total input of slag and metallic material at Main Plant shall not exceed 2,377,419 tons per twelve consecutive month period with compliance determined at the end of each month.**
- (c) The total input of material at the Chip Plant shall not exceed 1,300,000 tons per twelve consecutive month period with compliance determined at the end of each month.**

- (d) **The Chip Plant shall process only those materials that have been previously processed at the Main Plant.**
- (e) **The Portable/Auxiliary Equipment shall not be operated at Metal Services LLC dba Phoenix Services LLC site.**
- (f) **The total input of material at the Portable/Auxiliary Equipment shall not exceed 800,000 tons per twelve consecutive month period with compliance determined at the end of each month.**
- (g) **The moisture content of slag material processed at the Main Plant, Chip Plant and Portable/Auxiliary Equipment plants shall not be less than 1.5%.**

Compliance with the above limits, in conjunction with the Condition D.2.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

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

Pursuant to 326 IAC 6-3-2 the particulate emissions from the following listed units shall be limited as follows when operating at the listed process weight rate:

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
Main Plant		
One (1) step deck feeder (F1)	1500	82.95
Crushing		
One (1) pan feeder (F2)	500	68.96
One (1) conveyor (C5)	500	68.96
One (1) mag/pendulum head pulley (C5)	184	57.61
One (1) dual finger gate splitter at C5	217	59.40
One (1) splitter (scrap) (C5)	184	57.61
One (1) dual finger gate splitter at C5	217	59.40
One (1) dual finger gate splitter at Crusher/Impactor	184	57.61
One (1) pan feeder (F3)	510	69.19
One (1) pan feeder (F4)	500	68.96
One (1) jaw crusher	500	68.96
One (1) impactor,	500	68.96
One (1) conveyor (C6A)	500	68.96
One (1) conveyor (C6B)	500	68.96
Screening		
One (1) conveyor (C1)	1500	82.95
One (1) 150-ton bin,	1500	82.95
One (1) feeder (MF400)(F5)	1500	82.95
One (1) conveyor (C2)	1500	82.95
One (1) mag head pulley (C2)	300	63.00
One (1) dual finger gate splitter at C2	271	61.86
One (1) dual finger gate splitter at F6/F7	217	59.40
One (1) feeder (F6)	750	73.93
One (1) feeder (F7)	750	73.93
One (1) conveyor (C3A)	750	73.93
One (1) conveyor (C3B)	750	73.93

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
One (1) triple chute gate splitter at S1/S2/S3	72	48.04
One (1) screen (S1)	750	73.93
One (1) dual finger gate splitter at S1	750	73.93
One (1) conveyor (C7A)	500	68.96
One (1) screen (S2)	750	73.93
One (1) dual finger gate splitter at S2	750	73.93
One (1) conveyor (C7B)	396	66.20
One (1) screen (S3)	750	73.93
One (1) dual finger gate splitter at S3	750	73.93
One (1) conveyor (C7C)	500	68.96
One (1) conveyor (C11A)	1000	77.59
One (1) stk conveyor (C15)	1000	77.59
One (1) conveyor (C9)	700	73.06
One (1) stk conveyor (C14)	700	73.06
One (1) conveyor (C8)	400	66.31
One (1) stk conveyor (C13)	178.20	57.27
One (1) mag head pulley (C13)	400	66.31
One (1) dual finger gate splitter at C13	178.2	57.27
Scrap		
One (1) 50-ton scrap bin (F1)	700	73.06
One (1) feeder (F8) 700	700	73.06
One (1) conveyor (C4) 700	700	73.06
One (1) dual finger gate splitter at C4	56	45.64
One (1) screen (S4)	350	64.76
One (1) dual finger gate splitter at S4	350	64.76
One (1) conveyor (C10A)	200	58.51
One (1) screen (S5) 350	350	64.76
One (1) dual finger gate splitter at S5	350	67.76
One (1) conveyor (C10B)	200	58.51
One (1) conveyor (C11B)	400	66.31
One (1) stk conveyor (C17)	400	66.31
One (1) conveyor (C12)	400	66.31
One (1) stk conveyor (C16)	400	66.31
One (1) conveyor (C18)	200	58.51
One (1) stk conveyor (C19)	200	58.51
Chip Plant		
One (1) feed hopper (B1)	500	68.96
One (1) feeder (F9)	500	68.96
One (1) conveyor (C1)	500	68.96
One (1) conveyor (C2)	800	74.74
One (1) crusher, 500	500	68.96
One (1) conveyor (C5)	500	68.96
One (1) screen (S1)	400	66.31
One (1) conveyor (C3)	150	55.44
One (1) screen (S2)	400	66.31
One (1) conveyor (C4)	150	55.44
One (1) conveyor (C10)	300	63.00
One (1) stk conveyor (C11)	55	45.47

Emission Unit	Process weight rate (tons/hr)	326 IAC 6-3 limit lb/hr
One (1) conveyor (C8)	250	60.96
One (1) mag cross belt(M2)	4.125	10.60
One (1) stk conveyor (C9)	78.375	48.86
One (1) conveyor (C6) 20	250	60.96
One (1) mag cross belt(M1)	18	28.43
One (1) stk conveyor (C7)	250	60.96
Portable/Auxiliary Equipment		
Portable Plant 1		
One (1) conveyor	600	71.16
One (1) portable crusher	600	71.16
One (1) conveyor	600	71.16
One (1) portable screen	600	71.16
Three (3) portable input conveyors (33%)	600	71.16
Three (3) portable output stacker/conveyors (33% ea)	600	71.16
Portable boat loader		
One (1) feed hopper	1500	82.95
One (1) conveyor/stacker	1500	82.95
Portable stacker		
One (1) feed hopper	250	60.96
One (1) conveyor/stacker	250	60.96
Portable screener		
One (1) screen	250	60.96
Three (3) conveyor/stackers (33% each)	250	60.96
Portable screener		
One (1) feed hopper	250	60.96
One (1) screen	250	60.96
One (1) conveyor/stacker	250	60.96
Portable Plant 2		
One (1) grizzly	500	68.96
One (1) feeder	500	68.96
One (1) screen	500	68.96
Four (4) output conveyors (25% ea)	500	68.96
One (1) crusher or impactor	500	68.96
One (1) magnet	15	25.16

The pound per hour limitations above were calculated using the following equation:

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

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

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

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

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

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

Compliance Determination Requirements

D.1.4 Particulate Matter [326 IAC 2-7-6(6)]

In order to comply with Condition D.1.1(g):

- (a) The Permittee shall use wet suppression to control particulate emissions from Main Plant, Chip Plant and Portable/Auxiliary Equipment, except for the following time periods:**
 - (i) During precipitation**
 - (ii) When ambient air temperature is at or below freezing temperature**
- (b) The Permittee shall perform moisture content analysis prior to feeding material into Main Plant, Chip Plant and Portable/Auxiliary Equipment, weekly on the slag material processed at Main Plant, Chip Plant and Portable/Auxiliary Equipment to ensure slag moisture content is not less than 1.5%.**

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

D.1.5 Visible Emissions Notations

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

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

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(b), (c) and (f), the Permittee shall maintain monthly records of the input of material at Main Plant, Chip Plant and Portable/Auxiliary Equipment.**
- (b) To document the compliance status with condition D.1.4(b), the Permittee shall maintain weekly records of the moisture content analysis.**
- (c) To document the compliance status with condition D.1.5, the Permittee shall maintain**

a daily record of visible emission notations of the process emission points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

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

D.1.7 Reporting Requirements

A quarterly report of the input of the material at Main Plant, Chip Plant, and Portable/Auxiliary Equipment to document the compliance status with D.1.1(b), (c) and (f) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION 2.1

FACILITY OPERATION CONDITIONS

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

- (g) Four (4) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 559 Hp or less.
- (h) One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity between 600 Hp and 1500 Hp.
- (i) Three (3) portable diesel generator/engines, approved in 2012 for installation, each with a capacity of 100 Hp or less.

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

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

D.2.1 PSD and Emission Offset Minor Limit [326 IAC 2-2] [326 IAC 2-3]

The total diesel fuel usage at the generator/engines shall not exceed 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with the above limit, in conjunction with the Condition D.1.1, shall limit the PM, PM10 and PM2.5 emissions from the modification approved under SSM No. 127-32132-00026 to less than 25, 15 and 10 tons per year, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the SO₂, NO_x and CO emissions from the modification approved under SSM No. 127-32132-00026 to less than 40, 40 and 100 tons per twelve (12) consecutive month period, respectively, and render the requirements of 326 IAC 2-2 not applicable to the SSM No. 127-32132-00026.

Compliance with this limit will limit the NO_x emissions from the modification approved under SSM No. 127-32132-00026 to less than 40 tons per twelve (12) consecutive month period, and render the requirements of 326 IAC 2-3 for ozone not applicable to the SSM No. 127-32132-00026.

D.2.2 Nonroad Engines [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ] [40 CFR 60, Subpart IIII]

The diesel generators/engines shall remain at a location (defined under 40 CFR 1068.30(2)(iii), Nonroad Engine definition) for a period not to exceed twelve (12) consecutive months.

Compliance with this requirement will render the diesel generators/engines as Nonroad Engine under this 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII. Therefore, the requirements of 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart IIII do not apply to these diesel generators/engines.

D.2.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

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

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

D.2.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain monthly records of the total diesel fuel usage diesel generator/engines.**
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.**

D.2.5 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.4D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities ...
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Emission Limitations and Standards [326 IAC 2-7-5(1)]

~~D.4.1~~**D.3.1** Insignificant Activities [326 IAC 2-7-1(21)]

...

~~D.4.2~~**D.3.2** Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

...

~~D.4.3~~**D.3.3** Volatile Organic Compounds (VOC) [326 IAC 8-3]

...

~~D.4.4~~**D.3.4** Volatile Organic Compounds (VOC) [326 IAC 8-3]

...

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

~~D.4.5~~**D.3.5** Record Keeping Requirements

(a) To document the compliance status with Condition ~~D.4.2~~**D.3.2**, and pursuant to 326 IAC 8-9, the Permittee must keep records of the following:

...

(b) ...

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facilities: Main Plant
Parameter: Total input of slag and metallic material at the Main Plant
Limit: 2,377,419 tons per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER: _____ YEAR: _____

Month	Column 1 slag and metallic material input this Month	Column 2 slag and metallic material input 11 Months	Column 1+2 slag and metallic material input 12 Months Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: Portable/Auxiliary Equipment
Parameter: The total input of material at the Portable/Auxiliary Equipment
Limit: 800,000 tons per twelve consecutive month period with compliance at the end of each month.

QUARTER: _____ YEAR: _____

Month	Column 1 material input this month	Column 2 material input previous 11 months	Column 1+2 material input 12 months total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: Chip Plant
Parameter: Total input of slag and metallic material at the Chip Plant
Limit: 1,300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Column 1 slag and metallic material input this month	Column 2 slag and metallic material input previous 11 months	Column 1+2 slag and metallic material input 12 months total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

Submitted by:

Title / Position:

Signature:

Date:

Phone:

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: diesel generators/engines listed in Section D.2 of this permit
Parameter: total diesel fuel usage
Limit: 60,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	total diesel fuel usage This Month	total diesel fuel usage Previous 11 Months	total diesel fuel usage 12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

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

Part 70 Quarterly Report

Source Name: Metal Services, LLC dba Phoenix Services, LLC
Source Address: US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: T127-29719-00026
Facility: One (1) Portable Crushing and Screening Operation
Parameter: Throughput of slag
Limit: The total throughput of slag to the Portable Crushing and Screening Operation shall be limited to less than 2,628,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

— Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: ~~_____ Metal Services, LLC dba Phoenix Services, LLC~~
Source Address: ~~_____ US Hwy 12, Burns Harbor, IN 46304~~
Part 70 Permit No.: ~~_____ T127-29719-00026~~
Facility: ~~_____ Five (5) portable generators (maximum capacities: 396 Hp, 310 Hp, 290 Hp, 535 Hp, 630 Hp)~~
~~_____ Two (2) engines (maximum capacities: 65 Hp, 76 Hp)~~
Parameter: ~~_____ Diesel fuel usage.~~
Limit: ~~_____ The total throughput of diesel fuel to the portable generators shall be limited to less than 124,830 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.~~

YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

— Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: _____ Metal Services, LLC dba Phoenix Services, LLC
Source Address: _____ US Hwy 12, Burns Harbor, IN 46304
Part 70 Permit No.: _____ T127-29719-00026
Facility: _____ Finishing Plant
Parameter: _____ Slag Throughput
Limits: _____ The throughput to the Finishing Plant (EU001-05) shall be limited to less than 1,752,000 tons per twelve consecutive month period with compliance at the end of each month.

QUARTER: _____ YEAR: _____

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

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
— Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

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

Part 70 Quarterly Report

Source Name: ~~_____ Metal Services, LLC dba Phoenix Services, LLC~~
Source Address: ~~_____ US Hwy 12, Burns Harbor, IN 46304~~
Part 70 Permit No.: ~~_____ T127-29719-00026~~
Facility: ~~_____ Scrap Loading Bins (EU001 and EU02)~~
Parameter: ~~_____ Slag Throughput~~
Limits: ~~_____ The total throughput to the Scrap Loading Bins (EU001 and EU02) shall be limited to less than 201,480 tons per twelve consecutive month period with compliance at the end of each month~~

QUARTER: _____ YEAR: _____

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

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
— Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

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

Part 70 Quarterly Report

Source Name: _____ Metal Services, LLC dba Phoenix Services, LLC _____
Source Address: _____ US Hwy 12, Burns Harbor, IN 46304 _____
Part 70 Permit No.: _____ T127-29719-00026 _____
Facility: _____ Portable Plant No. 2 _____
Parameter: _____ Slag Throughput _____
Limits: _____ The throughput to the Portable Plant No. 2 shall be limited to less than 4,380,000
tons per twelve consecutive month period with compliance at the end of each
month _____

QUARTER: _____ YEAR: _____

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

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.
— Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 127-32132-00026 and Significant Permit Modification 127-32224-00026. The staff recommends to the Commissioner that these Part 70 Significant Source and Significant Permit Modifications be approved.

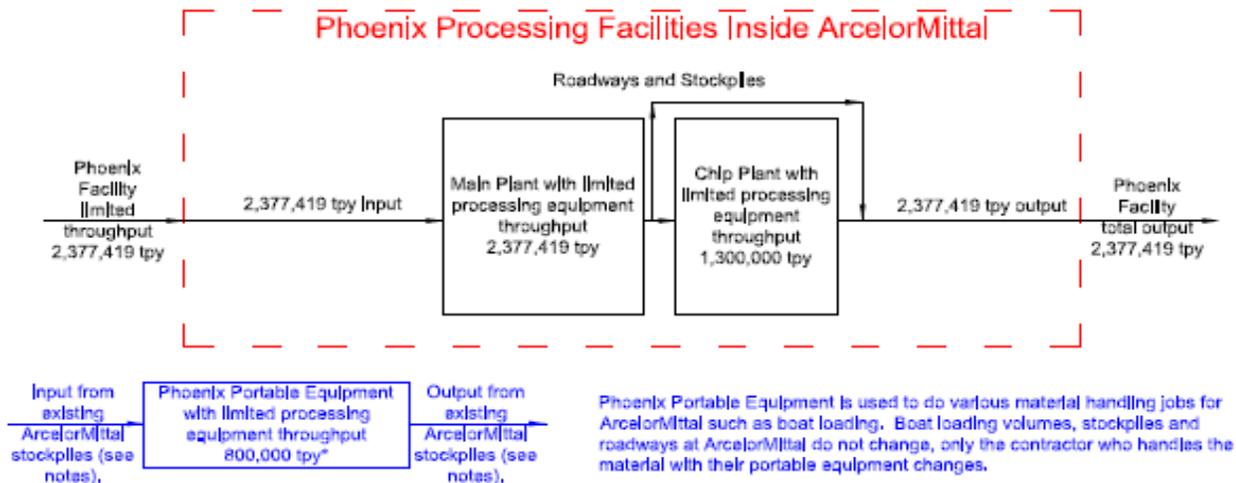
IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Mehul Sura at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-6868 or toll free at 1-800-451-6027 extension 3-6868.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

INPUT/OUTPUT DIAGRAM FOR ILLUSTRATIVE PURPOSES

ArcelorMittal Burns Harbor Steel Mill



- TOTAL MATERIALS ENTERING THE PHOENIX PROCESSING FACILITIES = THE TOTAL OUTPUT OF THE PHOENIX PROCESSING FACILITIES.
- PORTABLE EQUIPMENT IS MOVED TO THE SITE OF THE MATERIAL STOCKPILE WHERE IT IS NEEDED, THEREFORE, THERE ARE NO ROADWAY EMISSIONS ASSOCIATED WITH PORTABLE EQUIPMENT. PORTABLE EQUIPMENT DOES NOT MEAN IT IS "MOBILE EQUIPMENT"; PORTABLE EQUIPMENT IS MOBILIZED TO A JOBSITE OR STOCKPILE VIA CRANE OR TRUCKS.
- BETWEEN THE MAIN PLANT AND THE CHIP PLANT THERE IS POTENTIAL FOR SOME OF THE MAIN PLANT MATERIAL TO BE PILED BETWEEN THE TWO PLANTS PRIOR TO PROCESSING THROUGH THE CHIP PLANT, THEREFORE, ROADWAY FOR LOADERS AND PILE EMISSIONS WILL BE INCLUDED FOR THE TOTAL THROUGHPUT OF THE CHIP PLANT.
- * PORTABLE EQUIPMENT USED OUTSIDE OF PHOENIX PROCESSING FACILITIES ARE MOVED TO THE SITE WHERE MATERIAL IS STOCKPILED BY ARCELORMITTAL. ARCELORMITTAL HAS MATERIAL HANDLING JOBS DONE BY MANY DIFFERENT CONTRACTORS AND THERE IS NO CHANGE TO THEIR MATERIAL HANDLING OPERATIONS OR THROUGHPUT, THEY ONLY CHANGE WHICH CONTRACTOR DOES THE MATERIAL PROCESSING. THEREFORE, NO CHANGES TO EXISTING ROADWAYS OR STOCKPILES FOR ARCELORMITTAL.

ROADWAY AND STOCKPILE CALCULATIONS WILL INCLUDE:

- ROADWAYS = TRUCK ACTIVITY = PHOENIX FACILITY INCOMING & OUTGOING MATERIALS TOTAL PLANT THROUGHPUT 2,377,419 TONS, TRUCK DISTANCES HAVE SHORTENED DUE TO THE LOCATION OF THE MAIN PLANT AND CHIP PLANTS CLOSER TO ENTRANCE.
- ROADWAYS = LOADER ACTIVITY = MAIN PLANT AND CHIP PLANT INCOMING & OUTGOING MATERIALS TOTAL PLANT THROUGHPUT 2,377,419 TONS, FEED LOADING AND TRUCK LOADING.
- ROADWAYS = LOADER ACTIVITY = BETWEEN MAIN PLANT AND CHIP PLANT WHICH TOTAL CHIP PLANT THROUGHPUT 1,300,000 TONS.
- PILE OPS & WIND EROSION = PHOENIX FACILITY TOTAL PLANT MATERIAL THROUGHPUT 2,377,419 TONS,
- PILE OPS & WIND EROSION = BETWEEN THE MAIN PLANT AND CHIP PLANT THROUGHPUT 1,300,000 TONS.

**Appendix A: Emission Calculations
Emission Summary**

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

UNCONTROLLED POTENTIAL TO EMIT (PTE)								
Process/Equip	PM (tpy)	PM10 (tpy)	PM2.5 (tpy)	SO2 (tpy)	NOx (tpy)	VOC (tpy)	CO (tpy)	CO2e
New Main Plant (separation)	540.5	197.0	197.0	---	---	---	---	
New Chip Plant (finishing)	102.7	36.6	36.6	---	---	---	---	
New Portable/Aux Equip	308.51	111.87	111.87	---	---	---	---	
New Generators	29.04	27.07	27.07	102.50	502.02	32.56	110.33	20,465
Subtotals	980.8	372.6	372.6	102.5	502.0	32.6	110.3	20465.4

LIMITED THROUGHPUT EMISSIONS								
Process/Equip	PM (tpy)	PM10 (tpy)	PM2.5 (tpy)	SO2 (tpy)	NOx (tpy)	VOC (tpy)	CO (tpy)	CO2e
New Main Plant (separation)	9.78	3.56	3.56	---	---	---	---	---
New Chip Plant (finishing)	2.92	1.04	1.04	---	---	---	---	---
New Portable/Aux Equip	6.32	2.31	2.31	---	---	---	---	---
New Generators	1.27	1.27	1.27	6.23	18.13	1.48	3.91	680.7
Subtotals	20.3	8.2	8.2	6.2	18.1	1.5	3.9	680.7

Piles, Roadways, Wind Erosion Related to new operations

Process/Equip	PM (tpy)	PM10 (tpy)	PM2.5 (tpy)	SO2 (tpy)	NOx (tpy)	VOC (tpy)	CO (tpy)	CO2e
Baseline Past Actual Pile Ops	4.09	1.93	0.61	---	---	---	---	---
Baseline Pile Wind Erosion	1.17	0.59	0.09	---	---	---	---	---
Baseline Roadways	46.30	12.34	0.006	---	---	---	---	---
Future Pile Ops	4.65	2.20	0.69	---	---	---	---	---
Future Wind Erosion	1.33	0.67	0.10	---	---	---	---	---
Future Roadways	38.89	10.36	0.005	---	---	---	---	---
Net Increase	0.0	0.0	0.0	---	---	---	---	---

Appendix A: Emission Calculations
Equipment and Throughput List

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

 Slag Main Plant (separation) Capacity: 1,500 tons per hour
 Slag Main Plant Throughput Maximum: 13,140,000 tons per year
 Slag Main Plant Throughput Limited: 2,377,419 tons per year

Main Plant (replaced the Separation Plant)	Capacity (tph)	% Process Flow		Maximum Throughput (tpy)	Limited Throughput (tpy)
F1 step deck feeder	1500	100%	of baseline	13,140,000	2,377,419
CRUSHING					
F2 pan feeder	feed control	80%	of F1 feeder	10,512,000	1,901,935
C5 conveyor	feed control	100%	of F2 feeder	10,512,000	1,901,935
C5 mag/pendulum head pulley	feed control	15%	of C5 conv	1,576,800	285,290
C5 splitter (scrap)	feed control	100%	of C5 mag	1,576,800	285,290
C5 splitter (slag)	feed control	85%	of C5 conv	8,935,200	1,616,645
crush splitter (impactor)	feed control	50%	of C5 splitter (slag)	4,467,600	808,322
crush splitter (jaw)	feed control	50%	of C5 splitter (slag)	4,467,600	808,322
F3 pan feeder	feed control	100%	of crush splitter (jaw)	4,467,600	808,322
F4 pan feeder	feed control	100%	of crush splitter (impactor)	4,467,600	808,322
jaw crusher	feed control	100%	of crush splitter (jaw)	4,467,600	808,322
impactor	feed control	100%	of crush splitter (impactor)	4,467,600	808,322
C6A conveyor	feed control	100%	of jaw+impact crushers	8,935,200	1,616,645
C6B conveyor	feed control	100%	of C6A conv	8,935,200	1,616,645
SCREENING					
C1 conveyor	feed control	100%	of F1 step feeder	13,140,000	2,377,419
150-ton bin	feed control	100%	of C1 conveyor	13,140,000	2,377,419
F5 feeder (MF400)	feed control	100%	of 150-ton bin	13,140,000	2,377,419
C2 conveyor	feed control	100%	of F5 feeder	13,140,000	2,377,419
C2 mag head pulley	feed control	20%	of C2 conv	2,628,000	475,484
C2 splitter (slag)	feed control	80%	of C2 conv	10,512,000	1,901,935
C2 splitter (scrap)	feed control	20%	of C2 conv	2,628,000	475,484
F6/F7 splitter (count all in one 50/50)	feed control	100%	of C2 splitter (slag)	10,512,000	1,901,935
F6 feeder	feed control	50%	of F6/F7 splitter	5,256,000	950,968
F7 feeder	feed control	50%	of F6/F7 splitter	5,256,000	950,968
C3A conveyor	feed control	100%	of F7 feeder	5,256,000	950,968
C3B conveyor	feed control	100%	of F6 feeder	5,256,000	950,968
triple split chute	feed control	100%	of C3A+C3B conv	10,512,000	1,901,935
S1 screen	feed control	33%	triple split chute	3,468,960	627,639
S1 splitter C8 side	feed control	15%	of S1 screen	520,344	94,146
S1 splitter C9 side	feed control	30%	of S1 screen	1,040,688	188,292
C7A conveyor	feed control	45%	of S1 screen	1,561,032	282,437
S2 screen	feed control	33%	triple split chute	3,468,960	627,639
S2 splitter C8 side	feed control	15%	of S2 screen	520,344	94,146
S2 splitter C9 side	feed control	30%	of S2 screen	1,040,688	188,292
C7B conveyor	feed control	45%	of S2 screen	1,561,032	282,437
S3 screen	feed control	33%	triple split chute	3,468,960	627,639
S3 splitter C8 side	feed control	15%	of S3 screen	520,344	94,146
S3 splitter C9 side	feed control	30%	of S3 screen	1,040,688	188,292
C7C conveyor	feed control	45%	of S3 screen	1,561,032	282,437
C11A conveyor	feed control	100%	of C7A+C7B+C7C conv	4,683,096	847,312
C15 stk conveyor	feed control	100%	of C11A conv	4,683,096	847,312
C9 conveyor	feed control	30%	of S1+S2+S3 screens	3,122,064	564,875
C14 stk conveyor	feed control	100%	of C9 conv	3,122,064	564,875
C8 conveyor	feed control	15%	of S1+S2+S3 screens	1,561,032	282,437
C13 stk conveyor	feed control	100%	of C8 conv	1,561,032	282,437
C13 mag head pulley	feed control	5%	of C13 conv	78,052	14,122
C13 splitter (slag)	feed control	95%	of C13 conv	1,482,980	268,316
C13 splitter (scrap)	feed control	100%	of C13 mag	78,052	14,122
SCRAP					
50-ton scrap bin	feed control	100%	of C13 mag	78,052	14,122
F8 feeder	feed control	100%	of 50-ton scrap bin	78,052	14,122
C4 conveyor	feed control	100%	of C2 split(scrap)+F8 feeder	2,706,052	489,606
C4 splitter to (S4)	feed control	50%	of C4 conv	1,353,026	244,803
C4 splitter to (S5)	feed control	50%	of C4 conv	1,353,026	244,803
S4 screen	feed control	100%	of C4 splitter (S4)	1,353,026	244,803
S4 splitter C18 side	feed control	5%	of S4 screen	67,651	12,240
S4 splitter C12 side	feed control	15%	of S4 screen	202,954	36,720
C10A conveyor	feed control	70%	of S4 screen	947,118	171,362
S5 screen	feed control	100%	of C4 splitter (S5)	1,353,026	244,803
S5 splitter C18 side	feed control	5%	of S5 screen	67,651	12,240
S5 splitter C12 side	feed control	15%	of S5 screen	202,954	36,720
C10B conveyor	feed control	70%	of S5 screen	947,118	171,362
C11B conveyor	feed control	100%	of C10A+C10B conv	1,894,236	342,724
C17 stk conveyor	feed control	100%	of C11B conv	1,894,236	342,724
C12 conveyor	feed control	15%	of S4+S5 screens	405,908	73,441
C16 stk conveyor	feed control	100%	of C12 conv	405,908	73,441
C18 conveyor	feed control	5%	of S4+S5 screens	135,303	24,480
C19 stk conveyor	feed control	100%	of C18 conv	135,303	24,480

Appendix A: Emission Calculations
Equipment and Throughput List

Company Name: Metal Services LLC dba Phoenix Services LLC
Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
Significant Source Modification No.: 127-32132-00026
Significant Permit Modification No.: 127-32224-00026
Reviewer: Mehul Sura
Date: 9/14/2012

Chip Plant (finishing) Capacity: 500 tons per hour
Throughput Maximum: 4,380,000 tons per year
Throughput Limited: 1,300,000 tons per year

Chip Plant (replaced the Finishing Plant)	Capacity (tph)	% Process Flow		Maximum Throughput (tpy)	Limited Throughput (tpy)
40-ton feed hopper (B1)	500	100%	of feed	4,380,000	1,300,000
F9 feeder	feed control	100%	of 40-ton feed hopper	4,380,000	1,300,000
C1 conveyor	feed control	100%	of F9 feeder	4,380,000	1,300,000
C2 conveyor	feed control	100%	of crusher+C1 conv	4,818,000	1,430,000
crusher	feed control	10%	of F9 feeder	438,000	130,000
C5 conveyor	feed control	100%	of crusher	438,000	130,000
S1 screen	feed control	50%	of C2 conv	2,409,000	715,000
C3 conveyor	feed control	10%	of S1 screen	240,900	71,500
S2 screen	feed control	50%	of C2 conv	2,409,000	715,000
C4 conveyor	feed control	10%	of S2 screen	240,900	71,500
C10 conveyor	feed control	100%	of C3+C4 conv	481,800	143,000
C11 stk conveyor	feed control	100%	of C10 conv	481,800	143,000
C8 conveyor	feed control	15%	of S1+S2	722,700	214,500
M2 mag cross belt	feed control	5%	of C8 conv	36,135	10,725
C9 stk conveyor	feed control	95%	of C8 conv	686,565	203,775
C6 conveyor	feed control	65%	of S1+S2	3,131,700	929,500
M1 mag cross belt	feed control	5%	of C6 conv	156,585	46,475
C7 stk conveyor	feed control	95%	of C6 conv	2,975,115	883,025

Portable/Aux Equip Capacity: -Varies- tons per hour (see below)
Throughput Maximum: -Varies- tons per hour (see below)
Combined Throughput Limited: 800,000 tons per year

Portable/Aux Equipment	Capacity (tph)	Maximum Throughput (tpy)	Limited Throughput (tpy)
Portable Plant 1:			
1 conveyor	600	5,256,000	800,000
1 portable crusher	600	5,256,000	800,000
1 conveyor	600	5,256,000	800,000
1 portable screen	600	5,256,000	800,000
3 portable input conveyors (33%)	600	5,256,000	800,000
3 portable output stacker/conveyors (33% ea)	600	5,256,000	800,000
Portable boat loader:			
1 feed hopper	1500	13,140,000	800,000
1 conveyor/stacker	1500	13,140,000	800,000
Portable stacker:			
1 feed hopper	250	2,190,000	800,000
1 conveyor/stacker	250	2,190,000	800,000
Portable screener:			
1 screen	250	2,190,000	800,000
3 conveyor/stackers (33% each)	250	2,190,000	800,000
Portable screener:			
1 feed hopper	250	2,190,000	800,000
1 screen	250	2,190,000	800,000
1 conveyor/stacker	250	2,190,000	800,000
Portable Plant 2:			
1 grizzly	500	4,380,000	800,000
1 feeder	500	4,380,000	800,000
1 screen	500	4,380,000	800,000
4 output conveyors (25% ea)	500	4,380,000	800,000
1 crusher or impactor	500	4,380,000	800,000
1 magnet	15	131,400	131,400

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

POTENTIAL TO EMIT -- MAIN PLANT (SEPARATION) OPERATIONS

Main Plant (separation)	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}
F1 step deck feeder	13,140,000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227
CRUSHING											
F2 pan feeder	10,512,000	0.003	0.0011	0.0011	15.7680	5.7816	5.7816	90.0%	1.5768	0.5782	0.5782
C5 conveyor	10,512,000	0.003	0.0011	0.0011	15.7680	5.7816	5.7816	90.0%	1.5768	0.5782	0.5782
C5 mag/pendulum head pulley	1,576,800	0.003	0.0011	0.0011	2.3652	0.8672	0.8672	90.0%	0.2365	0.0867	0.0867
C5 splitter (scrap)	1,576,800	0.003	0.0011	0.0011	2.3652	0.8672	0.8672	90.0%	0.2365	0.0867	0.0867
C5 splitter (slag)	8,935,200	0.003	0.0011	0.0011	13.4028	4.9144	4.9144	90.0%	1.3403	0.4914	0.4914
crush splitter (impactor)	4,467,600	0.003	0.0011	0.0011	6.7014	2.4572	2.4572	90.0%	0.6701	0.2457	0.2457
crush splitter (jaw)	4,467,600	0.003	0.0011	0.0011	6.7014	2.4572	2.4572	90.0%	0.6701	0.2457	0.2457
F3 pan feeder	4,467,600	0.003	0.0011	0.0011	6.7014	2.4572	2.4572	90.0%	0.6701	0.2457	0.2457
F4 pan feeder	4,467,600	0.003	0.0011	0.0011	6.7014	2.4572	2.4572	90.0%	0.6701	0.2457	0.2457
jaw crusher	4,467,600	0.0054	0.0024	0.0024	12.0625	5.3611	5.3611	90.0%	1.2063	0.5361	0.5361
impactor	4,467,600	0.0054	0.0024	0.0024	12.0625	5.3611	5.3611	90.0%	1.2063	0.5361	0.5361
C6A conveyor	8,935,200	0.003	0.0011	0.0011	13.4028	4.9144	4.9144	90.0%	1.3403	0.4914	0.4914
C6B conveyor	8,935,200	0.003	0.0011	0.0011	13.4028	4.9144	4.9144	90.0%	1.3403	0.4914	0.4914
SCREENING											
C1 conveyor	13,140,000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227
150-ton bin	13,140,000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227
F5 feeder (MF400)	13,140,000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227
C2 conveyor	13,140,000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227
C2 mag head pulley	2,628,000	0.003	0.0011	0.0011	3.9420	1.4454	1.4454	90.0%	0.3942	0.1445	0.1445
C2 splitter (slag)	10,512,000	0.003	0.0011	0.0011	15.7680	5.7816	5.7816	90.0%	1.5768	0.5782	0.5782
C2 splitter (scrap)	2,628,000	0.003	0.0011	0.0011	3.9420	1.4454	1.4454	90.0%	0.3942	0.1445	0.1445
F6/F7 splitter (count all in one 50/50)	10,512,000	0.003	0.0011	0.0011	15.7680	5.7816	5.7816	90.0%	1.5768	0.5782	0.5782
F6 feeder	5,256,000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891
F7 feeder	5,256,000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891
C3A conveyor	5,256,000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891
C3B conveyor	5,256,000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891
triple split chute	10,512,000	0.003	0.0011	0.0011	15.7680	5.7816	5.7816	90.0%	1.5768	0.5782	0.5782
S1 screen	3,468,960	0.025	0.0087	0.0087	43.3620	15.0900	15.0900	90.0%	4.3362	1.5090	1.5090
S1 splitter C8 side	520,344	0.003	0.0011	0.0011	0.7805	0.2862	0.2862	90.0%	0.0781	0.0286	0.0286
S1 splitter C9 side	1,040,688	0.003	0.0011	0.0011	1.5610	0.5724	0.5724	90.0%	0.1561	0.0572	0.0572
C7A conveyor	1,561,032	0.003	0.0011	0.0011	2.3415	0.8586	0.8586	90.0%	0.2342	0.0859	0.0859
S2 screen	3,468,960	0.025	0.0087	0.0087	43.3620	15.0900	15.0900	90.0%	4.3362	1.5090	1.5090
S2 splitter C8 side	520,344	0.003	0.0011	0.0011	0.7805	0.2862	0.2862	90.0%	0.0781	0.0286	0.0286
S2 splitter C9 side	1,040,688	0.003	0.0011	0.0011	1.5610	0.5724	0.5724	90.0%	0.1561	0.0572	0.0572
C7B conveyor	1,561,032	0.003	0.0011	0.0011	2.3415	0.8586	0.8586	90.0%	0.2342	0.0859	0.0859
S3 screen	3,468,960	0.025	0.0087	0.0087	43.3620	15.0900	15.0900	90.0%	4.3362	1.5090	1.5090
S3 splitter C8 side	520,344	0.003	0.0011	0.0011	0.7805	0.2862	0.2862	90.0%	0.0781	0.0286	0.0286
S3 splitter C9 side	1,040,688	0.003	0.0011	0.0011	1.5610	0.5724	0.5724	90.0%	0.1561	0.0572	0.0572
C7C conveyor	1,561,032	0.003	0.0011	0.0011	2.3415	0.8586	0.8586	90.0%	0.2342	0.0859	0.0859
C11A conveyor	4,683,096	0.003	0.0011	0.0011	7.0246	2.5757	2.5757	90.0%	0.7025	0.2576	0.2576
C15 stk conveyor	4,683,096	0.003	0.0011	0.0011	7.0246	2.5757	2.5757	90.0%	0.7025	0.2576	0.2576
C9 conveyor	3,122,064	0.003	0.0011	0.0011	4.6831	1.7171	1.7171	90.0%	0.4683	0.1717	0.1717
C14 stk conveyor	3,122,064	0.003	0.0011	0.0011	4.6831	1.7171	1.7171	90.0%	0.4683	0.1717	0.1717
C8 conveyor	1,561,032	0.003	0.0011	0.0011	2.3415	0.8586	0.8586	90.0%	0.2342	0.0859	0.0859
C13 stk conveyor	1,561,032	0.003	0.0011	0.0011	2.3415	0.8586	0.8586	90.0%	0.2342	0.0859	0.0859
C13 mag head pulley	78,052	0.003	0.0011	0.0011	0.1171	0.0429	0.0429	90.0%	0.0117	0.0043	0.0043
C13 splitter (slag)	1,482,980	0.003	0.0011	0.0011	2.2245	0.8156	0.8156	90.0%	0.2224	0.0816	0.0816
C13 splitter (scrap)	78,052	0.003	0.0011	0.0011	0.1171	0.0429	0.0429	90.0%	0.0117	0.0043	0.0043
SCRAP											
50-ton scrap bin	78,052	0.003	0.0011	0.0011	0.1171	0.0429	0.0429	90.0%	0.0117	0.0043	0.0043
F8 feeder	78,052	0.003	0.0011	0.0011	0.1171	0.0429	0.0429	90.0%	0.0117	0.0043	0.0043
C4 conveyor	2,706,052	0.003	0.0011	0.0011	4.0591	1.4883	1.4883	90.0%	0.4059	0.1488	0.1488
C4 splitter to (S4)	1,353,026	0.003	0.0011	0.0011	2.0295	0.7442	0.7442	90.0%	0.2030	0.0744	0.0744
C4 splitter to (S5)	1,353,026	0.003	0.0011	0.0011	2.0295	0.7442	0.7442	90.0%	0.2030	0.0744	0.0744
S4 screen	1,353,026	0.025	0.0087	0.0087	16.9128	5.8857	5.8857	90.0%	1.6913	0.5886	0.5886
S4 splitter C18 side	67,651	0.003	0.0011	0.0011	0.1015	0.0372	0.0372	90.0%	0.0101	0.0037	0.0037
S4 splitter C12 side	202,954	0.003	0.0011	0.0011	0.3044	0.1116	0.1116	90.0%	0.0304	0.0112	0.0112
C10A conveyor	947,118	0.003	0.0011	0.0011	1.4207	0.5209	0.5209	90.0%	0.1421	0.0521	0.0521
S5 screen	1,353,026	0.025	0.0087	0.0087	16.9128	5.8857	5.8857	90.0%	1.6913	0.5886	0.5886
S5 splitter C18 side	67,651	0.003	0.0011	0.0011	0.1015	0.0372	0.0372	90.0%	0.0101	0.0037	0.0037
S5 splitter C12 side	202,954	0.003	0.0011	0.0011	0.3044	0.1116	0.1116	90.0%	0.0304	0.0112	0.0112
C10B conveyor	947,118	0.003	0.0011	0.0011	1.4207	0.5209	0.5209	90.0%	0.1421	0.0521	0.0521
C11B conveyor	1,894,236	0.003	0.0011	0.0011	2.8414	1.0418	1.0418	90.0%	0.2841	0.1042	0.1042
C17 stk conveyor	1,894,236	0.003	0.0011	0.0011	2.8414	1.0418	1.0418	90.0%	0.2841	0.1042	0.1042
C12 conveyor	405,908	0.003	0.0011	0.0011	0.6089	0.2232	0.2232	90.0%	0.0609	0.0223	0.0223
C16 stk conveyor	405,908	0.003	0.0011	0.0011	0.6089	0.2232	0.2232	90.0%	0.0609	0.0223	0.0223
C18 conveyor	135,303	0.003	0.0011	0.0011	0.2030	0.0744	0.0744	90.0%	0.0203	0.0074	0.0074
C19 stk conveyor	135,303	0.003	0.0011	0.0011	0.2030	0.0744	0.0744	90.0%	0.0203	0.0074	0.0074
Control Efficiency (wet suppression/moisture): varies, see below		PTE Totals:			540.5	197.0	197.0	Totals:	54.1	19.7	19.7

Methodology

Emission Factors are from AP-42 Table 11.19.2-2, 8/2004 version (all units in lb/ton).

Source	PM	PM-10
Tertiary Crushing (SCC 3-050030-03)	0.0054	0.0024
Screening (SCC 3-05-020-02, 03)	0.025	0.0087
Conveyor Transfer Point (SCC 3-05-020-06)	0.003	0.0011
Uncontrolled Emissions (tpy) = Capacity (tpy) * Uncontrolled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)		
Controlled Emissions (tpy) = Throughput (tpy) * Controlled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)		

Company Name: Metal Services LLC dba Phoenix Services LLC
Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
Significant Source Modification No.: 127-32132-00026
Significant Permit Modification No.: 127-32224-00026
Reviewer: Mehul Sura
Date: 9/14/2012

LIMITED THROUGHPUT EMISSIONS -- MAIN PLANT (SEPARATION) OPERATIONS

Limited Throughput Emissions Main Plant (separation)	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}
F1 step deck feeder	2,377,419	0.003	0.0011	0.0011	3.5661	1.3076	1.3076	90.0%	0.3566	0.1308	0.1308
CRUSHING											
F2 pan feeder	1,901,935	0.003	0.0011	0.0011	2.8529	1.0461	1.0461	90.0%	0.2853	0.1046	0.1046
C5 conveyor	1,901,935	0.003	0.0011	0.0011	2.8529	1.0461	1.0461	90.0%	0.2853	0.1046	0.1046
C5 mag/pendulum head pulley	285,290	0.003	0.0011	0.0011	0.4279	0.1569	0.1569	90.0%	0.0428	0.0157	0.0157
C5 splitter (scrap)	285,290	0.003	0.0011	0.0011	0.4279	0.1569	0.1569	90.0%	0.0428	0.0157	0.0157
C5 splitter (slag)	1,616,645	0.003	0.0011	0.0011	2.4250	0.8892	0.8892	90.0%	0.2425	0.0889	0.0889
crush splitter (impactor)	808,322	0.003	0.0011	0.0011	1.2125	0.4446	0.4446	90.0%	0.1212	0.0445	0.0445
crush splitter (jaw)	808,322	0.003	0.0011	0.0011	1.2125	0.4446	0.4446	90.0%	0.1212	0.0445	0.0445
F3 pan feeder	808,322	0.003	0.0011	0.0011	1.2125	0.4446	0.4446	90.0%	0.1212	0.0445	0.0445
F4 pan feeder	808,322	0.003	0.0011	0.0011	1.2125	0.4446	0.4446	90.0%	0.1212	0.0445	0.0445
jaw crusher	808,322	0.0054	0.0024	0.0024	2.1825	0.9700	0.9700	90.0%	0.2182	0.0970	0.0970
impactor	808,322	0.0054	0.0024	0.0024	2.1825	0.9700	0.9700	90.0%	0.2182	0.0970	0.0970
C6A conveyor	1,616,645	0.003	0.0011	0.0011	2.4250	0.8892	0.8892	90.0%	0.2425	0.0889	0.0889
C6B conveyor	1,616,645	0.003	0.0011	0.0011	2.4250	0.8892	0.8892	90.0%	0.2425	0.0889	0.0889
SCREENING											
C1 conveyor	2,377,419	0.003	0.0011	0.0011	3.5661	1.3076	1.3076	90.0%	0.3566	0.1308	0.1308
150-ton bin	2,377,419	0.003	0.0011	0.0011	3.5661	1.3076	1.3076	90.0%	0.3566	0.1308	0.1308
F5 feeder (MF400)	2,377,419	0.003	0.0011	0.0011	3.5661	1.3076	1.3076	90.0%	0.3566	0.1308	0.1308
C2 conveyor	2,377,419	0.003	0.0011	0.0011	3.5661	1.3076	1.3076	90.0%	0.3566	0.1308	0.1308
C2 mag head pulley	475,484	0.003	0.0011	0.0011	0.7132	0.2615	0.2615	90.0%	0.0713	0.0262	0.0262
C2 splitter (slag)	1,901,935	0.003	0.0011	0.0011	2.8529	1.0461	1.0461	90.0%	0.2853	0.1046	0.1046
C2 splitter (scrap)	475,484	0.003	0.0011	0.0011	0.7132	0.2615	0.2615	90.0%	0.0713	0.0262	0.0262
F6/F7 splitter (count all in one 50/50)	1,901,935	0.003	0.0011	0.0011	2.8529	1.0461	1.0461	90.0%	0.2853	0.1046	0.1046
F6 feeder	950,968	0.003	0.0011	0.0011	1.4265	0.5230	0.5230	90.0%	0.1426	0.0523	0.0523
F7 feeder	950,968	0.003	0.0011	0.0011	1.4265	0.5230	0.5230	90.0%	0.1426	0.0523	0.0523
C3A conveyor	950,968	0.003	0.0011	0.0011	1.4265	0.5230	0.5230	90.0%	0.1426	0.0523	0.0523
C3B conveyor	950,968	0.003	0.0011	0.0011	1.4265	0.5230	0.5230	90.0%	0.1426	0.0523	0.0523
triple split chute	1,901,935	0.003	0.0011	0.0011	2.8529	1.0461	1.0461	90.0%	0.2853	0.1046	0.1046
S1 screen	627,639	0.025	0.0087	0.0087	7.8455	2.7302	2.7302	90.0%	0.7845	0.2730	0.2730
S1 splitter C8 side	94,146	0.003	0.0011	0.0011	0.1412	0.0518	0.0518	90.0%	0.0141	0.0052	0.0052
S1 splitter C9 side	188,292	0.003	0.0011	0.0011	0.2824	0.1036	0.1036	90.0%	0.0282	0.0104	0.0104
C7A conveyor	282,437	0.003	0.0011	0.0011	0.4237	0.1553	0.1553	90.0%	0.0424	0.0155	0.0155
S2 screen	627,639	0.025	0.0087	0.0087	7.8455	2.7302	2.7302	90.0%	0.7845	0.2730	0.2730
S2 splitter C8 side	94,146	0.003	0.0011	0.0011	0.1412	0.0518	0.0518	90.0%	0.0141	0.0052	0.0052
S2 splitter C9 side	188,292	0.003	0.0011	0.0011	0.2824	0.1036	0.1036	90.0%	0.0282	0.0104	0.0104
C7B conveyor	282,437	0.003	0.0011	0.0011	0.4237	0.1553	0.1553	90.0%	0.0424	0.0155	0.0155
S3 screen	627,639	0.025	0.0087	0.0087	7.8455	2.7302	2.7302	90.0%	0.7845	0.2730	0.2730
S3 splitter C8 side	94,146	0.003	0.0011	0.0011	0.1412	0.0518	0.0518	90.0%	0.0141	0.0052	0.0052
S3 splitter C9 side	188,292	0.003	0.0011	0.0011	0.2824	0.1036	0.1036	90.0%	0.0282	0.0104	0.0104
C7C conveyor	282,437	0.003	0.0011	0.0011	0.4237	0.1553	0.1553	90.0%	0.0424	0.0155	0.0155
C11A conveyor	847,312	0.003	0.0011	0.0011	1.2710	0.4660	0.4660	90.0%	0.1271	0.0466	0.0466
C15 stk conveyor	847,312	0.003	0.0011	0.0011	1.2710	0.4660	0.4660	90.0%	0.1271	0.0466	0.0466
C9 conveyor	564,875	0.003	0.0011	0.0011	0.8473	0.3107	0.3107	90.0%	0.0847	0.0311	0.0311
C14 stk conveyor	564,875	0.003	0.0011	0.0011	0.8473	0.3107	0.3107	90.0%	0.0847	0.0311	0.0311
C8 conveyor	282,437	0.003	0.0011	0.0011	0.4237	0.1553	0.1553	90.0%	0.0424	0.0155	0.0155
C13 stk conveyor	282,437	0.003	0.0011	0.0011	0.4237	0.1553	0.1553	90.0%	0.0424	0.0155	0.0155
C13 mag head pulley	14,122	0.003	0.0011	0.0011	0.0212	0.0078	0.0078	90.0%	0.0021	0.0008	0.0008
C13 splitter (slag)	268,316	0.003	0.0011	0.0011	0.4025	0.1476	0.1476	90.0%	0.0402	0.0148	0.0148
C13 splitter (scrap)	14,122	0.003	0.0011	0.0011	0.0212	0.0078	0.0078	90.0%	0.0021	0.0008	0.0008
SCRAP											
50-ton scrap bin	14,122	0.003	0.0011	0.0011	0.0212	0.0078	0.0078	90.0%	0.0021	0.0008	0.0008
F8 feeder	14,122	0.003	0.0011	0.0011	0.0212	0.0078	0.0078	90.0%	0.0021	0.0008	0.0008
C4 conveyor	489,606	0.003	0.0011	0.0011	0.7344	0.2693	0.2693	90.0%	0.0734	0.0269	0.0269
C4 splitter to (S4)	244,803	0.003	0.0011	0.0011	0.3672	0.1346	0.1346	90.0%	0.0367	0.0135	0.0135
C4 splitter to (S5)	244,803	0.003	0.0011	0.0011	0.3672	0.1346	0.1346	90.0%	0.0367	0.0135	0.0135
S4 screen	244,803	0.025	0.0087	0.0087	3.0600	1.0649	1.0649	90.0%	0.3060	0.1065	0.1065
S4 splitter C18 side	12,240	0.003	0.0011	0.0011	0.0184	0.0067	0.0067	90.0%	0.0018	0.0007	0.0007
S4 splitter C12 side	36,720	0.003	0.0011	0.0011	0.0551	0.0202	0.0202	90.0%	0.0055	0.0020	0.0020
C10A conveyor	171,362	0.003	0.0011	0.0011	0.2570	0.0942	0.0942	90.0%	0.0257	0.0094	0.0094
S5 screen	244,803	0.025	0.0087	0.0087	3.0600	1.0649	1.0649	90.0%	0.3060	0.1065	0.1065
S5 splitter C18 side	12,240	0.003	0.0011	0.0011	0.0184	0.0067	0.0067	90.0%	0.0018	0.0007	0.0007
S5 splitter C12 side	36,720	0.003	0.0011	0.0011	0.0551	0.0202	0.0202	90.0%	0.0055	0.0020	0.0020
C10B conveyor	171,362	0.003	0.0011	0.0011	0.2570	0.0942	0.0942	90.0%	0.0257	0.0094	0.0094
C11B conveyor	342,724	0.003	0.0011	0.0011	0.5141	0.1885	0.1885	90.0%	0.0514	0.0188	0.0188
C17 stk conveyor	342,724	0.003	0.0011	0.0011	0.5141	0.1885	0.1885	90.0%	0.0514	0.0188	0.0188
C12 conveyor	73,441	0.003	0.0011	0.0011	0.1102	0.0404	0.0404	90.0%	0.0110	0.0040	0.0040
C16 stk conveyor	73,441	0.003	0.0011	0.0011	0.1102	0.0404	0.0404	90.0%	0.0110	0.0040	0.0040
C18 conveyor	24,480	0.003	0.0011	0.0011	0.0367	0.0135	0.0135	90.0%	0.0037	0.0013	0.0013
C19 stk conveyor	24,480	0.003	0.0011	0.0011	0.0367	0.0135	0.0135	90.0%	0.0037	0.0013	0.0013

Efficiency (wet suppression/moisture): varies, see below

Totals: 9.8 3.6 3.6

Methodology

Emission Factors are from AP-42 Table 11.19.2-2, 8/2004 version (all units in lb/ton).

Source

Tertiary Crushing (SCC 3-050030-03)

Screening (SCC 3-05-020-02, 03)

Conveyor Transfer Point (SCC 3-05-020-06)

Uncontrolled Emissions (tpy) = Capacity (tpy) * Uncontrolled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

Controlled Emissions (tpy) = Throughput (tpy) * Controlled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

POTENTIAL TO EMIT -- CHIP PLANT (FINISHING) OPERATIONS

PTE Plant (finis	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}
40-ton feed	4,380,000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409
F9 feeder	4,380,000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409
C1 convey	4,380,000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409
C2 convey	4,818,000	0.003	0.0011	0.0011	7.2270	2.6499	2.6499	90.0%	0.7227	0.2650	0.2650
crusher	438,000	0.0054	0.0024	0.0024	1.1826	0.5256	0.5256	90.0%	0.1183	0.0526	0.0526
C5 convey	438,000	0.003	0.0011	0.0011	0.6570	0.2409	0.2409	90.0%	0.0657	0.0241	0.0241
S1 screen	2,409,000	0.025	0.0087	0.0087	30.1125	10.4792	10.4792	90.0%	3.0113	1.0479	1.0479
C3 convey	240,900	0.003	0.0011	0.0011	0.3614	0.1325	0.1325	90.0%	0.0361	0.0132	0.0132
S2 screen	2,409,000	0.025	0.0087	0.0087	30.1125	10.4792	10.4792	90.0%	3.0113	1.0479	1.0479
C4 convey	240,900	0.003	0.0011	0.0011	0.3614	0.1325	0.1325	90.0%	0.0361	0.0132	0.0132
C10 conve	481,800	0.003	0.0011	0.0011	0.7227	0.2650	0.2650	90.0%	0.0723	0.0265	0.0265
C11 stk co	481,800	0.003	0.0011	0.0011	0.7227	0.2650	0.2650	90.0%	0.0723	0.0265	0.0265
C8 convey	722,700	0.003	0.0011	0.0011	1.0841	0.3975	0.3975	90.0%	0.1084	0.0397	0.0397
M2 mag cr	36,135	0.003	0.0011	0.0011	0.0542	0.0199	0.0199	90.0%	0.0054	0.0020	0.0020
C9 stk con	686,565	0.003	0.0011	0.0011	1.0298	0.3776	0.3776	90.0%	0.1030	0.0378	0.0378
C6 convey	3,131,700	0.003	0.0011	0.0011	4.6976	1.7224	1.7224	90.0%	0.4698	0.1722	0.1722
M1 mag cr	156,585	0.003	0.0011	0.0011	0.2349	0.0861	0.0861	90.0%	0.0235	0.0086	0.0086
C7 stk con	2,975,115	0.003	0.0011	0.0011	4.4627	1.6363	1.6363	90.0%	0.4463	0.1636	0.1636
v/moisture): varies, see below		PTE Totals:			102.7	36.6	36.6	Totals:	10.3	3.7	3.7

LIMITED THROUGHPUT EMISSIONS -- CHIP PLANT (FINISHING) OPERATIONS

Throughput Plant (finis	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)		
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}
40-ton feed	1,300,000	0.003	0.0011	0.0011	1.9500	0.7150	0.7150	90.0%	0.1950	0.0715	0.0715
F9 feeder	1,300,000	0.003	0.0011	0.0011	1.9500	0.7150	0.7150	90.0%	0.1950	0.0715	0.0715
C1 convey	1,300,000	0.003	0.0011	0.0011	1.9500	0.7150	0.7150	90.0%	0.1950	0.0715	0.0715
C2 convey	1,430,000	0.003	0.0011	0.0011	2.1450	0.7865	0.7865	90.0%	0.2145	0.0787	0.0787
crusher	130,000	0.0054	0.0024	0.0024	0.3510	0.1560	0.1560	90.0%	0.0351	0.0156	0.0156
C5 convey	130,000	0.003	0.0011	0.0011	0.1950	0.0715	0.0715	90.0%	0.0195	0.0072	0.0072
S1 screen	715,000	0.025	0.0087	0.0087	8.9375	3.1103	3.1103	90.0%	0.8938	0.3110	0.3110
C3 convey	71,500	0.003	0.0011	0.0011	0.1073	0.0393	0.0393	90.0%	0.0107	0.0039	0.0039
S2 screen	715,000	0.025	0.0087	0.0087	8.9375	3.1103	3.1103	90.0%	0.8938	0.3110	0.3110
C4 convey	71,500	0.003	0.0011	0.0011	0.1073	0.0393	0.0393	90.0%	0.0107	0.0039	0.0039
C10 conve	143,000	0.003	0.0011	0.0011	0.2145	0.0787	0.0787	90.0%	0.0215	0.0079	0.0079
C11 stk co	143,000	0.003	0.0011	0.0011	0.2145	0.0787	0.0787	90.0%	0.0215	0.0079	0.0079
C8 convey	214,500	0.003	0.0011	0.0011	0.3218	0.1180	0.1180	90.0%	0.0322	0.0118	0.0118
M2 mag cr	10,725	0.003	0.0011	0.0011	0.0161	0.0059	0.0059	90.0%	0.0016	0.0006	0.0006
C9 stk con	203,775	0.003	0.0011	0.0011	0.3057	0.1121	0.1121	90.0%	0.0306	0.0112	0.0112
C6 convey	929,500	0.003	0.0011	0.0011	1.3943	0.5112	0.5112	90.0%	0.1394	0.0511	0.0511
M1 mag cr	46,475	0.003	0.0011	0.0011	0.0697	0.0256	0.0256	90.0%	0.0070	0.0026	0.0026
C7 stk con	883,025	0.003	0.0011	0.0011	1.3245	0.4857	0.4857	90.0%	0.1325	0.0486	0.0486
v/moisture): varies, see below					Totals:				2.9	1.0	1.0

Methodology

Emission Factors are from AP-42 Table 11.19.2-2, 8/2004 version (all units in lb/ton).

Source

Tertiary Crushing (SCC 3-050030-03)

Screening (SCC 3-05-020-02, 03)

Conveyor Transfer Point (SCC 3-05-020-06)

Uncontrolled Emissions (tpy) = Capacity (tpy) * Uncontrolled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

Controlled Emissions (tpy) = Throughput (tpy) * Controlled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

Appendix A: Emission Calculations
Emission Summary

Company Name: Metal Services LLC dba Phoenix Services LLC
Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
Significant Source Modification No.: 127-32132-00026
Significant Permit Modification No.: 127-32224-00026
Reviewer: Mehul Sura
Date: 9/14/2012

POTENTIAL TO EMIT -- PORTABLE/AUX EQUIPMENT

Portable/Aux Equipment	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)			
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}	
<i>Portable Plant 1:</i>												
1 conveyor	5256000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891	
1 portable crusher	5256000	0.0054	0.0024	0.0024	14.1912	6.3072	6.3072	90.0%	1.4191	0.6307	0.6307	
1 conveyor	5256000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891	
1 portable screen	5256000	0.025	0.0087	0.0087	65.7000	22.8636	22.8636	90.0%	6.5700	2.2864	2.2864	
3 portable input conveyors (33%)	5256000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891	
3 portable output stacker/conveyors (33% ea)	5256000	0.003	0.0011	0.0011	7.8840	2.8908	2.8908	90.0%	0.7884	0.2891	0.2891	
<i>Portable boat loader:</i>												
1 feed hopper	13140000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227	
1 conveyor/stacker	13140000	0.003	0.0011	0.0011	19.7100	7.2270	7.2270	90.0%	1.9710	0.7227	0.7227	
<i>Portable stacker:</i>												
1 feed hopper	2190000	0.003	0.0011	0.0011	3.2850	1.2045	1.2045	90.0%	0.3285	0.1205	0.1205	
1 conveyor/stacker	2190000	0.003	0.0011	0.0011	3.2850	1.2045	1.2045	90.0%	0.3285	0.1205	0.1205	
<i>Portable screener:</i>												
1 screen	2190000	0.025	0.0087	0.0087	27.3750	9.5265	9.5265	90.0%	2.7375	0.9527	0.9527	
3 conveyor/stackers (33% each)	2190000	0.003	0.0011	0.0011	3.2850	1.2045	1.2045	90.0%	0.3285	0.1205	0.1205	
<i>Portable screener:</i>												
1 feed hopper	2190000	0.003	0.0011	0.0011	3.2850	1.2045	1.2045	90.0%	0.3285	0.1205	0.1205	
1 screen	2190000	0.025	0.0087	0.0087	27.3750	9.5265	9.5265	90.0%	2.7375	0.9527	0.9527	
1 conveyor/stacker	2190000	0.003	0.0011	0.0011	3.2850	1.2045	1.2045	90.0%	0.3285	0.1205	0.1205	
<i>Portable Plant 2:</i>												
1 grizzly	4380000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409	
1 feeder	4380000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409	
1 screen	4380000	0.025	0.0087	0.0087	54.7500	19.0530	19.0530	90.0%	5.4750	1.9053	1.9053	
4 output conveyors (25% ea)	4380000	0.003	0.0011	0.0011	6.5700	2.4090	2.4090	90.0%	0.6570	0.2409	0.2409	
1 crusher or impactor	4380000	0.0054	0.0024	0.0024	11.8260	5.2560	5.2560	90.0%	1.1826	0.5256	0.5256	
1 magnet	1314000	0.003	0.0011	0.0011	0.1971	0.0723	0.0723	90.0%	0.0197	0.0072	0.0072	
Control Efficiency (wet suppression/moisture): varies, see below					PTE Totals:			Totals:				
					308.5 111.9 111.9			30.9 11.2 11.2				

LIMITED THROUGHPUT EMISSIONS -- PORTABLE/AUX EQUIPMENT

Portable/Aux Equipment	Throughput (tons/yr)	Emission Factors (lb/tn)			Uncontrolled Emissions (tpy)			Control Efficiency	Controlled Emissions (tpy)			
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}	
<i>Portable Plant 1:</i>												
1 conveyor	800000	0.0054	0.0024	0.0024	2.1600	0.9600	0.9600	90.0%	0.2160	0.0960	0.0960	
1 portable crusher	800000	0.0054	0.0024	0.0024	2.1600	0.9600	0.9600	90.0%	0.2160	0.0960	0.0960	
1 conveyor	800000	0.0054	0.0024	0.0024	2.1600	0.9600	0.9600	90.0%	0.2160	0.0960	0.0960	
1 portable screen	800000	0.025	0.0087	0.0087	10.0000	3.4800	3.4800	90.0%	1.0000	0.3480	0.3480	
3 portable input conveyors (33%)	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
3 portable output stacker/conveyors (33% ea)	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
<i>Portable boat loader:</i>												
1 feed hopper	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 conveyor/stacker	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
<i>Portable stacker:</i>												
1 feed hopper	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 conveyor/stacker	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
<i>Portable screener:</i>												
1 screen	800000	0.025	0.0087	0.0087	10.0000	3.4800	3.4800	90.0%	1.0000	0.3480	0.3480	
3 conveyor/stackers (33% each)	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
<i>Portable screener:</i>												
1 feed hopper	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 screen	800000	0.025	0.0087	0.0087	10.0000	3.4800	3.4800	90.0%	1.0000	0.3480	0.3480	
1 conveyor/stacker	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
<i>Portable Plant 2:</i>												
1 grizzly	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 feeder	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 screen	800000	0.025	0.0087	0.0087	10.0000	3.4800	3.4800	90.0%	1.0000	0.3480	0.3480	
4 output conveyors (25% ea)	800000	0.003	0.0011	0.0011	1.2000	0.4400	0.4400	90.0%	0.1200	0.0440	0.0440	
1 crusher or impactor	800000	0.0054	0.0024	0.0024	2.1600	0.9600	0.9600	90.0%	0.2160	0.0960	0.0960	
1 magnet	1314000	0.003	0.0011	0.0011	0.1971	0.0723	0.0723	90.0%	0.0197	0.0072	0.0072	
Control Efficiency (wet suppression/moisture): varies, see below					Totals:			6.3 2.3 2.3				

Methodology

Emission Factors are from AP-42 Table 11.19.2-2, 8/2004 version (all units in lb/ton).

Source

Tertiary Crushing (SCC 3-050030-03)

Screening (SCC 3-05-020-02, 03)

Conveyor Transfer Point (SCC 3-05-020-06)

Uncontrolled Emissions (tpy) = Capacity (tpy) * Uncontrolled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

Controlled Emissions (tpy) = Throughput (tpy) * Controlled Emission Factor (lb/ton) * 8760 (day/yr) / 2000 (lb/ton)

**Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)**

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

Emissions calculated based on output rating (hp)

Four (4) portable diesel generator/engines, each with a capacity of 559 Hp
 Three (3) portable diesel generator/engines, each with a capacity of 100 Hp

Total Output Horsepower Rating (hp)	2536.0
Maximum Hours Operated per Year	8760
Potential Throughput (hp-hr/yr)	22,215,360

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Potential Emission in tons/yr	24.44	24.44	24.44	22.77	344.34	27.93	74.20

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							Total PAH HAPs***
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	7.25E-02	3.18E-02	2.22E-02	3.04E-03	9.17E-02	5.96E-02	7.19E-03	1.31E-02

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	3.01E-01
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Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/hp-hr	1.15E+00	4.63E-05	9.26E-06
Potential Emission in tons/yr	1.28E+04	5.14E-01	1.03E-01

Summed Potential Emissions in tons/yr	1.28E+04
CO2e Total in tons/yr	12816.51

Methodology

Emission Factors are from AP42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2

CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]

Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O

Potential Emission ton/yr x N2O GWP (310).

Appendix A: Emission Calculations
Large Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (>600 HP)

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

B. Emissions calculated based on output rating (hp)

One (1) portable diesel generator/engine, approved in 2012 for installation, with a capacity of 1500 Hp

Output Horsepower Rating (hp)	1500.0
Maximum Hours Operated per Year	8760
Potential Throughput (hp-hr/yr)	13,140,000
Sulfur Content (S) of Fuel (% by weight)	1.500

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.00070	0.00040	0.00040	0.01214 (.00809S)	0.02400 **see below	0.00071	0.00550
Potential Emission in tons/yr	4.60	2.64	2.64	79.73	157.68	4.63	36.14

*PM10 emission factor in lb/hp-hr was calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

**NOx emission factor: uncontrolled = 0.024 lb/hp-hr, controlled by ignition timing retard = 0.013 lb/hp-hr

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
Potential Emission in tons/yr	3.57E-02	1.29E-02	8.88E-03	3.63E-03	1.16E-03	3.62E-04	9.75E-03

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	0.07
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Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/hp-hr	1.16E+00	6.35E-05	9.30E-06
Potential Emission in tons/yr	7.62E+03	4.17E-01	6.11E-02

Summed Potential Emissions in tons/yr	7.62E+03
CO2e Total in tons/yr	7648.89

Methodology

Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]

Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O

Potential Emission ton/yr x N2O GWP (310).

**Appendix A: Emission Calculations
 Reciprocating Internal Combustion Engines - Diesel Fuel
 Output Rating (<=600 HP)
 Maximum Input Rate (<=4.2 MMBtu/hr)**

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Meहुल Sura
 Date: 9/14/2012

Emissions calculated based on Diesel fuel usage

Limited Diesel fuel usage gallons/yr	60,000
Btu/gallon	137,030
Potential Throughput (MMBtu/yr)	8,222

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMBtu	0.31	0.31	0.31	0.29	4.41	0.36	0.95
Potential Emission in tons/yr	1.27	1.27	1.27	1.19	18.13	1.48	3.91

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							Total PAH HAPs***
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	
Emission Factor in lb/MMBtu	9.33E-04	4.09E-04	2.85E-04	3.91E-05	1.18E-03	7.67E-04	9.25E-05	1.68E-04
Potential Emission in tons/yr	3.84E-03	1.68E-03	1.17E-03	1.61E-04	4.85E-03	3.15E-03	3.80E-04	6.91E-04

Potential Emission of Total HAPs (tons/yr)	1.59E-02
---	-----------------

Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/MMBtu	1.64E+02	6.61E-03	1.32E-03
Potential Emission in tons/yr	6.74E+02	2.72E-02	5.44E-03

Summed Potential Emissions in tons/yr	6.74E+02
CO2e Total in tons/yr	6.76E+02

Methodology

Emission Factors are from AP42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2
 CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.
 Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 Potential Throughput (MMBtu/yr) = [Heat Input Capacity (MMBtu/hr)] * [Maximum Hours Operated per Year]
 Potential Emission (tons/yr) = [Potential Throughput (MMBtu/yr)] * [Emission Factor (lb/MMBtu)] / [2,000 lb/ton]
 CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Appendix A: Emission Calculations
Large Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (>600 HP)
Maximum Input Rate (>4.2 MMBtu/hr)

Company Name: Metal Services LLC dba Phoenix Services LLC
 Address City IN Zip: 250 W. US Hwy 12, Burns Harbor, IN 46304
 Significant Source Modification No.: 127-32132-00026
 Significant Permit Modification No.: 127-32224-00026
 Reviewer: Mehul Sura
 Date: 9/14/2012

Emissions calculated based on Diesel fuel usage

Limited Diesel fuel usage gallons/yr	60,000
Btu/gallon	137,030
Potential Throughput (MMBtu/yr)	8,222
Sulfur Content (S) of Fuel (% by weight)	1.5

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMBtu	0.10	0.0573	0.0573	1.515 (1.01S)	3.2 **see below	0.09	0.85
Potential Emission in tons/yr	0.41	0.24	0.24	6.23	13.15	0.37	3.49

*No information was given regarding which method was used to determine the PM emission factor or whether condensable PM is included. The PM10 emission factor is filterable and condensable PM10 combined. The PM2.5 emissions were assumed to be equal to PM10.

**NOx emissions: uncontrolled = 3.2 lb/MMBtu, controlled with ignition timing retard = 1.9 lb/MMBtu

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/MMBtu	7.76E-04	2.81E-04	1.93E-04	7.89E-05	2.52E-05	7.88E-06	2.12E-04
Potential Emission in tons/yr	3.19E-03	1.16E-03	7.93E-04	3.24E-04	1.04E-04	3.24E-05	8.72E-04

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Potential Emission of Total HAPs (tons/yr)	6.47E-03
---	-----------------

Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/MMBtu	1.65E+02	8.10E-03	1.32E-03
Potential Emission in tons/yr	6.78E+02	3.33E-02	5.44E-03

Summed Potential Emissions in tons/yr	6.78E+02
CO2e Total in tons/yr	6.81E+02

Methodology

Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Throughput (MMBtu/yr) = [Heat Input Capacity (MMBtu/hr)] * [Maximum Hours Operated per Year]

Potential Emission (tons/yr) = [Potential Throughput (MMBtu/yr)] * [Emission Factor (lb/MMBtu)] / [2,000 lb/ton]

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O

Potential Emission ton/yr x N2O GWP (310).

Company Name: Metal Services LLC dba Phoenix Services LLC
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 Reviewer: Mehul Sura

Storage Pile Loading and Unloading

From AP-42 13.2.4, Aggregate Handling and Storage Piles, January 1995

Emissions from slag storage piles can be described by the following empirical equation:

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

Where:

E = emission factor (lb/tn)

k = particle size multiplier (dimensionless)

U = mean wind speed, miles per hour

M = material moisture content (%)

k = PM 0.74
 PM10 0.35
 PM2.5 0.11

U = 13.4 mean wind speed, (mph) [source=rredc.nrel.gov/wind/pubs/atlas/maps/chap1/2-06m.html]

The mean moisture content was estimated as the average moisture content based on onsite test data.

M = 0.92 % uncontrolled moisture, worst case is slag

E = Emission Factors (lb/tn)

PM	PM10	PM2.5
0.0252986	0.01196554	0.003760598

BASELINE PAST ACTUAL EMISSIONS

Production: 3,229,591 tons
 Control Eff: 90%

40.85201629 Uncontrolled PM (tons)
19.3218996 Uncontrolled PM10 (tons)
6.072597016 Uncontrolled PM2.5 (tons)
4.085201629 Controlled PM (tons)
1.93218996 Controlled PM10 (tons)
0.607259702 Controlled PM2.5 (tons)

PHOENIX SERVICES LLC -- MAXIMUM POTENTIAL TO EMIT

Production: 13,140,000 tons
 Control Eff: 90%

166.211602 Uncontrolled PM (tons)
78.61359556 Uncontrolled PM10 (tons)
24.70713003 Uncontrolled PM2.5 (tons)
16.6211602 Controlled PM (tons)
7.861359556 Controlled PM10 (tons)
2.470713003 Controlled PM2.5 (tons)

PHOENIX SERVICES LLC -- LIMITED THROUGHPUT EMISSIONS

Production: 3,677,419 tons, total limited plant input throughput for Main and Chip Plants
 Control Eff: 90%

46.5167202 Uncontrolled PM (tons)
22.00115144 Uncontrolled PM10 (tons)
6.914647597 Uncontrolled PM2.5 (tons)
4.65167202 Controlled PM (tons)
2.200115144 Controlled PM10 (tons)
0.69146476 Controlled PM2.5 (tons)

Past Actual Throughput Data

year	Highest 24-mo		finishing data	
	input slag total	Period		
2003	2,591,331		1,096,497	
2004	2,163,507	4,754,838	607,847	1,704,344
2005	1,222,362	3,385,869	171,591	779,438
2006	1,477,162	2,699,524	-	171,591
2007	1,846,008	3,323,170	566,954	566,954
2008	1,590,667	3,436,675	626,608	1,193,562
2009	1,580,603	3,171,270	614,692	1,241,300
2010	1,333,604	2,914,207	507,923	1,122,615
2011	928,069	2,261,673		
		highest 2003-2004		highest 2003-2004
	2,377,419	throughput annualized	852,172	finishing annualized
		no other data available		no other data available

Company Name: Metal Services LLC dba Phoenix Services LLC
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Significant Source Modification No.: 127-32132-00026
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Reviewer: Mehul Sura
Date: 9/14/2012

PHOENIX SERVICES LLC EMISSIONS FROM UNPAVED ROADWAYS

BASELINE PAST ACTUAL EMISSIONS

Vehicle	Production (tons/yr)	Product Weight (tons)	Round Trips/yr	Avg miles per round trip	VMT/yr	
Trucks/haulers	2,377,419	50	47,548	0.86	40,892	Total plant input/output = Sep plant throughput
Front-end loaders incoming/outgoing material	2,377,419	15	158,495	0.03	4,755	Loading feeders and trucks = Sep plant throughput
Front-end loaders between Sep & Fin Plants	852,172	15	56,811	0.24	13,635	Total Finishing plant throughput

Unpaved Roadways Continues

Vehicle	Mean Weight (W) (tons)	PM Emission Factor ² (lb/VMT)	PM2.5 Emission Factor ² (lb/VMT)	PM10 Emission Factor ² (lb/VMT)	VMT/yr	UNCONTROLLED			CONTROLLED*		
						PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)	PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)
Trucks/haulers	50	6.74	0.28	1.80	40,892	137.83	36.73	0.01898	34.4577	9.1828	0.00475
Front-end loaders incoming/outgoing material	28	5.15	0.21	1.37	4,755	12.25	3.26	0.00129	3.0616	0.8159	0.00032
Front-end loaders between Sep & Fin Plants	28	5.15	0.21	1.37	13,635	35.12	9.36	0.00370	8.7794	2.3397	0.00092
						185.19	49.35	0.02	46.30	12.34	0.01

PHOENIX SERVICES LLC -- MAXIMUM POTENTIAL TO EMIT

Vehicle	Production (tons/yr)	Product Weight (tons)	Round Trips/yr	Avg miles per round trip	VMT/yr	
Trucks/haulers	13,140,000	50	262,800	0.56	147,168	Phoenix Main and Chip Plants are 0.25 mi closer to the entrance than the Levy plants.
Front-end loaders incoming/outgoing material	13,140,000	15	876,000	0.03	26,280	Total plant input/output = Main plant throughput
Front-end loaders between Main & Chip Plants	4,380,000	15	292,000	0.24	70,080	Loading feeders and trucks = Main plant throughput Total Chip plant throughput

Unpaved Roadways Continues

Vehicle	Mean Weight (W) (tons)	PM Emission Factor ² (lb/VMT)	PM2.5 Emission Factor ² (lb/VMT)	PM10 Emission Factor ² (lb/VMT)	VMT/yr	UNCONTROLLED			CONTROLLED*		
						PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)	PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)
Trucks/haulers	50	6.74	0.28	1.80	147,168	496.05	132.19	0.06832	124.0125	33.0487	0.01708
Front-end loaders incoming/outgoing material	28	5.15	0.21	1.37	26,280	67.69	18.04	0.00712	16.9216	4.5095	0.00178
Front-end loaders between Main & Chip Plants	28	5.15	0.21	1.37	70,080	180.50	48.10	0.01900	45.1242	12.0254	0.00475
						744.23	198.33	0.09	186.06	49.58	0.02

PHOENIX SERVICES LLC -- LIMITED THROUGHPUT EMISSIONS

Vehicle	Production (tons/yr)	Product Weight (tons)	Round Trips/yr	Avg miles per round trip	VMT/yr	
Trucks/haulers	2,377,419	50	47,548	0.56	26,627	Total plant input/output = Main plant throughput
Front-end loaders incoming/outgoing material	2,377,419	15	158,495	0.03	4,755	Loading feeders and trucks = Main plant throughput
Front-end loaders between Main & Chip Plants	1,300,000	15	86,667	0.24	20,800	Total Chip plant throughput

Unpaved Roadways Continues

Vehicle	Mean Weight (W) (tons)	PM Emission Factor ² (lb/VMT)	PM2.5 Emission Factor ² (lb/VMT)	PM10 Emission Factor ² (lb/VMT)	VMT/yr	UNCONTROLLED			CONTROLLED*		
						PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)	PM Emissions (TPY)	PM10 Emissions (TPY)	PM2.5 Emissions (TPY)
Trucks/haulers	50	6.74	0.28	1.80	26,627	89.75	23.92	0.01236	22.4376	5.9795	0.00309
Front-end loaders incoming/outgoing material	28	5.15	0.21	1.37	4,755	12.25	3.26	0.00129	3.0616	0.8159	0.00032
Front-end loaders between Main & Chip Plants	28	5.15	0.21	1.37	20,800	53.57	14.28	0.00564	13.3930	3.5692	0.00141
						155.57	41.46	0.02	38.89	10.36	0.005

75% control efficiency

*Based on a control efficiency from the periodic application of water and/or other dust suppressants..

Reference AP-42, 13.2.2.2 Eq (1a), Draft 10/01
E = k((s/12)^a) ((W/3)^b) ((365-p)/365)

Variable	PM10 Value	Units
k	1.5	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
c	-	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)
p	135	Figure 13.2.2-1

Variable	PM Value	Units
k	4.9	Table 13.2.2-2
a	0.7	Table 13.2.2-2
b	0.45	Table 13.2.2-2
c	-	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)
p	135	Figure 13.2.2-1

Variable	PM2.5 Value	Units
k	0.23	Table 13.2.2-2
a	0.9	Table 13.2.2-2
b	0.45	Table 13.2.2-2
c	-	Table 13.2.2-2
W	see above	tons
M	-	% (default)
s	6	% (Table 13.2.2-1)(iron/steel mills)
p	135	Figure 13.2.2-1

Company Name: Metal Services LLC dba Phoenix Services LLC
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Reviewer: Mehul Sura

PHOENIX SERVICES LLC - BURNS HARBOR
AP-42, 13.2.5, Date 11/2006

Wind Erosion Industrial Piles

The small area at the base of each pile where daily activity can occur is negligible and does not need to be calculated.
(see sample calculation, AP-42 13.2.5-9, Step 2)

Disturbance via topping off of piles by stackers creates the fresh surface by which these calculations represent.

N = 365, assuming pile disturbances are once per day, conservative (plant does not operate daily)

The following equations are used to calculate wind erosion emission factors and velocity friction:

Eqn 2: $EF = \text{emission factor (g/m}^3\text{)}$
 $k = \text{particle size multiplier}$
 $N = \text{number of disturbances}$
 $P_i = \text{erosion potential corresponding to obs or prob fastest mile}$
of wind for the i th period between disturbances, g/m^2
 $k = 1 \text{ particle size multiplier for PM}$
 $k = 0.5 \text{ particle size multiplier for PM}_{10}$
 $k = 0.075 \text{ particle size multiplier for PM}_{2.5}$

Eqn 3: $u^* = \text{friction velocity (m/s)}$
 $u^*_{t1} = \text{threshold friction velocity (m/s)}$
 $u^*_{t1} = 1.33 \text{ m/s, using AP-42 value, Table 13.2.5-2 for Scoria (roadbed material)}$

Eqn 5: $u^*_{10} = \text{fastest mile of reference anemometer ht, 10, for period between disturbances (m/s)}$
 $u^* = \text{fastest mile of reference anemometer ht, z, for period between disturbances (m/s)}$
 $0.005 = \text{assumed roughness height (m)}$
(Note: anemometer height not available for O'Hare weather station, assume 7 meters)
 $u^*_{10} = 1.05 u^*$

Eqn 6: $u^*_s = \text{surface wind speed distribution (m/s)}$
 $u^*_{10} = \text{fastest mile of reference anemometer ht, 10, for period between disturbances (m/s)}$
 $u_s = \text{surface wind speed (m/s)}$
 $u_r = \text{approach wind speed (m/s)}$

Eqn 7: $u^* = \text{friction velocity (m/s)}$

CALCULATE AREAS OF A TYPICAL PILE, BROKEN INTO SUBAREAS

Calculate estimated average area of each storage pile:
oblong piles, not conical, see B2, AP-42 Figure 13.2.5-2
calculate as a rectangular box shape for surface area, conservatively
4 sides and 1 top

Area top = length x width	
Area each side = length x height	
Area top =	648 m ²
Area four sides =	720 m ²
Total Surface Area of Each Pile =	1368 m ²

length (m): 36 typical size of piles at slag plant, based on pile inventories at Levy ECL 2006.
width (m): 18 typical size of piles at slag plant, based on pile inventories at Levy ECL 2006.
height (m): 5 typical size of piles at slag plant, based on pile inventories at Levy ECL 2006.

Using B2 Type Pile, see Figure 13.2.5-2, AP-42

Pile Subarea	u_r/u_s	% of Surface Area	Area (m ²)
1	0.2	3%	41
2	0.2	28%	383
3	0.6	29%	397
4	0.6	22%	301
5	0.9	15%	205
6	1.1	3%	41
Total Area:			1368

(see integrated wind erosion calculation spreadsheet)

BASELINE PAST ACTUAL EMISSIONS

CALCULATE ESTIMATED NUMBER OF PILES BASED ON MAXIMUM CAPACITY OF FEED END OF THE SEPARATION PLANT

Maximum throughput is equal to maximum amount of slag in storage piles, whether raw material or product material.

Maximum throughput = 3,229,591 tpy
Bulk Density of Slag = 1,762 kg/m³
Volume of the calculated pile above = 12,960 m³
Weight of slag per pile = 22,835,520 kg of slag per pile
Estimated number of piles = 25,172 tons of slag per pile
piles based on max plant equipment capacity

CALCULATE TOTAL PTE

Total emissions from one pile: 0.09128843 tons PM (see integrated wind erosion calculation spreadsheet)
0.04564422 tons PM₁₀
0.00684663 tons PM_{2.5}

Emissions for all potential piles: 11.7124594 tons PM uncontrolled
5.8562297 tons PM₁₀ uncontrolled
0.87843445 tons PM_{2.5} uncontrolled
90% estimated control efficiency, wet suppression
1.17124594 tons PM controlled
0.58562297 tons PM₁₀ controlled
0.08784345 tons PM_{2.5} controlled

PHOENIX SERVICES LLC -- MAXIMUM POTENTIAL TO OMIT

CALCULATE ESTIMATED NUMBER OF PILES BASED ON MAXIMUM CAPACITY OF FEED END OF THE SEPARATION PLANT

Maximum throughput is equal to maximum amount of slag in storage piles, whether raw material or product material.

Maximum throughput = 17,520,000 tpy (piles only include separation and portable as that is the material stockpiled, no barge)
Bulk Density of Slag = 1,762 kg/m³
Volume of the calculated pile above = 12,960 m³
Weight of slag per pile = 22,835,520 kg of slag per pile
Estimated number of piles = 25172 tons of slag per pile
piles based on max plant equipment capacity

CALCULATE TOTAL PTE

Total emissions from one pile: 0.09128843 tons PM (see integrated wind erosion calculation spreadsheet)
0.04564422 tons PM₁₀
0.00684663 tons PM_{2.5}

Emissions for all potential piles: 63.5381658 tons PM uncontrolled
31.7690829 tons PM₁₀ uncontrolled
4.76536244 tons PM_{2.5} uncontrolled
90% estimated control efficiency, wet suppression
6.35381658 tons PM controlled
3.17690829 tons PM₁₀ controlled
0.47653624 tons PM_{2.5} controlled

PHOENIX SERVICES LLC -- LIMITED THROUGHPUT EMISSIONS

CALCULATE ESTIMATED NUMBER OF PILES BASED ON MAXIMUM CAPACITY OF FEED END OF THE SEPARATION PLANT

Maximum throughput is equal to maximum amount of slag in storage piles, whether raw material or product material.

Maximum throughput = 3,677,419 tpy (piles only include separation and portable as that is the material stockpiled, no barge)
Bulk Density of Slag = 1,762 kg/m³
Volume of the calculated pile above = 12,960 m³
Weight of slag per pile = 22,835,520 kg of slag per pile
Estimated number of piles = 146 tons of slag per pile
piles based on max plant equipment capacity

CALCULATE TOTAL PTE

Total emissions from one pile: 0.09128843 tons PM (see integrated wind erosion calculation spreadsheet)
0.04564422 tons PM₁₀
0.00684663 tons PM_{2.5}

Emissions for all potential piles: 13.3365558 tons PM uncontrolled
6.66827792 tons PM₁₀ uncontrolled
1.00024169 tons PM_{2.5} uncontrolled
90% estimated control efficiency, wet suppression
1.33365558 tons PM controlled
0.66682779 tons PM₁₀ controlled
0.10002417 tons PM_{2.5} controlled



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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(317) 232-8603
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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Clint McGinty
Metal Services LLC dba Phoenix Services LLC
148 W. State Street
Suite 301
Kennett Square, PA 19348

DATE: December 28, 2012

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

SUBJECT: Final Decision
Significant Permit Modification
127-32224-00026

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:
Tony Cunningham (Director of Operations Western US Metal Services, LLC)
Susan Grenzebach (ST Environmental, LLC)
Vice President & General Manager (ISG Burns Harbor)
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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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December 28, 2012

TO: Westchester Public Library

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

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

Applicant Name: Metal Services LLC dba Phoenix Services, LLC
Permit Number: 127-32132-00026

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 12/28/2012 Metal Services LLC dba Phoenix Services LLC 127-32224 & 32132-00026 (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		Clint McGinty Metal Services LLC dba Phoenix Services LLC -contr 148 W State St, Ste 301 Kennett Square PA 19348 (Source CAATS)Via Confirmed Delivery										
2		Tony Cunningham Dir - Ops Western US Metal Services LLC dba Phoenix Services LLC -contr PO Box 619 Chesterton IN 46304-0619 (RO CAATS)										
3		Susan Grenzebach ST Environmental, LLC 209 S. Calumet, Suite 5 Chesterton IN 46034 (Consultant)										
4		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)										
5		Matt Mikus Post Tribune 1433 E 83rd Avenue Merrillville IN 46410 (Affected Party)										
6		Westchester Public Library 200 W Indiana Ave Chesterton IN 46304-3122 (Library)										
7		Porter County Board of Commissioners 155 Indiana Ave, Ste 205 Valparaiso IN 46383 (Local Official)										
8		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 (Health Department)										
9		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
10		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 (Affected Party)										
11		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
12		Mr. Dee Morse National Park Service 12795 W Alameda Pky, P.O. Box 25287 Denver CO 80225-0287 (Affected Party)										
13		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 (Affected Party)										
14		Mark Coleman 107 Diana Road Portage IN 46368 (Affected Party)										
15		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										

Total number of pieces Listed by Sender 14	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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1		Kathy Luther Northern Regional Planning Commission 6100 Southport Rd Portage IN 46368 (Affected Party)										
2		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)										
3		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)										
4		Vice President and General Manager ISG Burns Harbor 260 W US Hwy 12 Burns Harbor IN 46304 (Source ? addl contact)										
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9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender 4	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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