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: May 3, 2010

RE: Phoenix Services LLC dba Metal Serivces LLC / 089-28918-00536

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.

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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 impractible 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.

Enclosures
FNTV-PMOD.doc 3/27/08

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Bruce Roth
Phoenix Services LLC dba Metal Service LLC
PO Box 3070
East Chicago, Indiana 46312

May 3, 2010

Re: 089-28918-00536
Minor Permit Modification to
Part 70 No.: T089-26806-00536

Dear Mr. Roth:

Phoenix Services LLC dba Metal Service LLC was issued Part 70 Permit No. T089-26806-00536 on April 29, 2009 for a slag and kish processing source located at 3236 Watling Street, East Chicago, Indiana 46312. A letter requesting changes to this permit was received on January 1, 2010. Pursuant to the provisions of 326 IAC 2-7-12, a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of adding in the permit the emissions units which were permitted for construction under minor source modification No. 089-28902-00536.

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 – Lake County
Lake County Health Department
U.S. EPA, Region V
North West Regional Office (NWRO)
Compliance and Enforcement Managers
Compliance Data Section

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

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Part 70 Operating Permit
OFFICE OF AIR QUALITY

Phoenix Services LLC dba Metal Services LLC
3236 Watling Street
East Chicago, Indiana 46312

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.
This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions

Operation Permit No.: T089-26806-00536	
Issued by/original signed by: Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: April 9, 2009 Expiration Date: April 9, 2014

First Administrative Amendment No.: 089-28189-00536, issued on July 13, 2009

Minor Permit Modification No.: 089-28918-00536	
Issued by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 3, 2010 Expiration Date: April 9, 2014

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Certification
Emergency Occurrence Report
Quarterly Deviation and Compliance Monitoring Report
Fugitive Dust Control Plan (Attachment A)

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a slag and kish processing.

Source Address:	3236 Watling Street, East Chicago, Indiana 46312
Mailing Address:	PO Box 3070, East Chicago, IN 46312-3070
General Source Phone Number:	(219) 397-0650
SIC Code:	3295
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard and PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD, Emission Offset Rules and Nonattainment NSR Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

The source, Phoenix Services LLC dba Metal Services LLC, is a contractor for ArcelorMittal USA, Inc. Plant ID 089-00316, an integrated steel mill and is collocated with the following on-site contractors:

(a) ArcelorMittal USA, Inc. (Plant ID 089-00316), the primary operation, is located at, 3210 Watling Street, East Chicago, Indiana;

(b) Fritz Enterprises Inc. (Plant ID 089-00465), the on-site contractor (an iron and steel recycling process and a coke screening plant), is located at 3210 Watling Street, East Chicago, Indiana;

(c) Beemsterboer Slag and Ballast Corp. (Plant ID 089-00356), the on-site contractor (a slag crushing and sizing operation), is located at 3210 Watling Street, East Chicago, Indiana;

(d) East Chicago Recovery (Plant ID 089-00358), the on-site contractor (a briquetting facility), is located at 3236 Watling Street, East Chicago, Indiana;

(e) Oil Technology (Plant ID 089-00369), the on-site contractor (a used oil recycling facility), is located at 3236 Watling Street, East Chicago, Indiana;

(f) Mid Continent Coal and Coke (Plant ID 089-00371), the on-site contractor (a metallurgical coke separation facility), is located at 3236 Watling Street, East Chicago, Indiana;

(g) Indiana Harbor Coke Company (IHCC) (Plant ID 089-00382), the on-site contractor (a heat recovery coal carbonization facility), is located at 3210 Watling Street, East Chicago, Indiana 46312;

(h) Cokenergy, Inc. (Plant ID 089-00383), the on-site contractor (a heated gas steam from coal carbonization operation), is located at 3210 Watling Street, East Chicago, Indiana;

(i) LAFARGE North America (Plant ID 089-00458), the on-site contractor (a slag granulator and pelletizer operation), is located at 3210 Watling Street, East Chicago, Indiana; and

(j) MultiServ (Plant ID 089-00367), the on-site contractor (a scarfing plant and slag boat loading operation), is located at 3236 Watling Street, East Chicago, Indiana.

Separate Part 70 permits will be issued to Phoenix Services LLC dba Metal Services LLC, ArcelorMittal USA, Inc., and each on-site contractor, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

Company Name	TV Permit Number
ArcelorMittal USA, Inc.	089-6577- 00316
Fritz Enterprises Inc.	089-20315-00465
Beemsterboer Slag and Ballast Corp.	089-6580-00356
East Chicago Recovery	089-6583-00358
Oil Technology, Inc.	089-6579-00369
Mid Continent Coal and Coke	089-6582-00371
Indiana Harbor Coke Company	089-11311-00382
Cokenergy, Inc.	089-11135-00383
LAFARGE North America	089-14766-00458
MultiServ	089-6581-00367

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

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

Slag/kish, scrap, slag crushing and sizing processing plant with a combined limited throughput of 1,620,000 tons of slag/kish per hour, controlled by water suppression, consisting of the following:

(1) Forty-eight (48) conveyors;

(2) Two (2) double deck screens;

(3) Four (4) triple deck screens;

(4) Three (3) crushers;

(5) Two (2) feeders;

(6) Three (3) MAG head pulleys;

(7) One (1) splitter box; and

(8) One (1) electro magnet

These emissions units at the slag/kish, scrap, slag crushing and sizing plant will be powered by electricity, and no emission unit will be powered by diesel or other types of fuel, except for the natural gas used in the oxymethane flame cutting of scrap.

(b) Scrap Cutting Operation consisting of the following:

(1) Twelve (12) oxymethane flame cutting stations with a total maximum cutting rate of 15 inches/minute using natural gas fuel at maximum of 2.75 million cubic feet per year (0.32 million British thermal units per hour (MMBtu/hr)), all stations controlled by one (1) baghouse.

(c) One (1) slag chip process, constructed in 2010, with a maximum throughput capacity of 350 tons per hour, consisting of the following:

(1) One (1) feed hopper;

(2) One (1) auxiliary feed hopper;

(3) One (1) crusher;

(4) One (1) screen;

(5) One (1) magnet;

(6) Five (5) conveyors; and

(7) Three (3) stackers

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

This source consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21) with specifically regulated insignificant activities identified in Section D.2:

Water related activities including:

(a) Production of hot water for on-site personal use not related to any industrial or production process.

(b) Water treatment activities used to provide potable and process water for the plant excluding any activities associated with wastewater treatment.

(c) Steam cleaning operations and steam sterilizers.

(d) Pressure washing of equipment.

Combustion acitivities including the following:

(a) Portable electrical generators that can be moved by hand from one location to another. "Moved by hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.

(b) Fuel use related to food preparation for on-site consumption.

(c) Tobacco smoking rooms and areas.

(d) Indoors and outdoor kerosene heaters.

Activities related to ventilation, venting equipment and refrigeration, including the following:

(a) Ventilation exhaust, central chiller water systems, refrigeration and air conditioning equipment, not related to any industriual or production process, including natural draft hoods or ventilating systems that do not remove air pollutants.

(b) Vents for air cooling of electric motors provided the air does not commingle with regulated air pollutants.

Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment or vehicles at the source where air emissions from those activities would not be associated with any commercial production process including the following:

(a) Activities associated with the repair and maintenance of paved and unpaved roads, including paving or sealing, or both, of parking lots and roadways.

(b) Painting, including interior and exterior painting of buildings, and solvent use excluding degreasing operations utilizing halogenated organic solvents.

(c) Batteries and battery charging stations, except at battery manufacturing plants.

(d) Lubrication, including hand-held spray can lubrication, dipping metal parts into lubricating oil, and manual or automated addition of cutting oil in machining operation.

(e) Manual tank gauging

Housekeeping and janitorial activities and supplies including the following:

(a) Vacuum cleaning systems used exclusively for housekeeping or custodial activities, or both.

(b) Rest rooms associated cleanup operations and supplies.

Office related activities including the following:

(a) Office supplies and equipment.

(b) Photocopying equipment and associated supplies.

(c) Paper shredding.

(d) Blueprint machines, photographic equipment and associated supplies

Storage equipment and activities including:

(a) Storage of the following:

(1) Lance rods.

Emergency and standby equipment including:

(a) Safety and emergency equipment, except engine driven fire pumps, including fire suppression systems and emergency road flares.

Sampling and testing equipment and activities including the following:

(a) Hydraulic and hydrostatic testing equipment.

Activities generating limited amount of fugitive dust including:

(a) Fugitive emissions related to movement of passenger vehicles, provided the emissions are not counted for applicability purposes under 326 IAC 2-7-1(22)(B) and any required fugitive dust control plan or its equivalent is submitted.

Miscellaneous equipment, but not emissions associated with the process for which the equipment is used, and activities including the following:

(a) Manual loading and unloading operations.

Combustion related activities, including the following:

(a) Space heaters, process heaters, or boilers using the following fuels:

(1) Fuel oil-fired combustion sources with heat input heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths percent (0.5%) sulfur by weight.

The source will use two (2) direct fired space heaters each with a input capacity of 500,000 Btu/hour.

Fuel dispensing activities, including the following:

(a) A gasoline fuel transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks maybe in a fixed location or on mobile equipment.

(b) A petroleum fuel, other than gasoline dispensing facility having a storage capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.

The following VOC and HAP storage containers:

(a) Storage tanks with capacity less than one thousand (1,000) gallons and annual throughput less than twelve thousand (12,000) gallons.

(b) Vessels storing the following:

(1) Hydraulic oils.

(2) Lubricating oils

(3) Machining oils

(4) Machining fluids

Equipment used exclusively for the following:

(a) Filling drums, pails or other packaging containers with the following:

(1) Greases

(2) Lubricating oils

Production related activities, including the following:

(a) Application of the following as temporary protective coatings:

(1) Greases

(2) Lubricants

Water-based activities, including the following:

(a) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.

Repair activities, including the following:

(a) Replacement or repair of electrosttaic precipitators, bags in baghouses and filters in other air filtration equipment.

Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including the following:

(a) Catch tanks

(b) Temporary liquid separators

(c) Tanks

(e) Fluid Handling equipment

Activities associated with emergencies, including the following:

(a) Diesel generator not exceeding one thousand six hundred (1,600) horsepower.

The source will utilize one (1) 450 horsepower diesel generator.

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

This 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 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

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

(a) This permit, T089-26806-00536, 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.4 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.5 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.6 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.7 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.8 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.9 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

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

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

B.10 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 July 1 of each year to:

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

and

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

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

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

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

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

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

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

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

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

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

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

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

B.12 Emergency Provisions [326 IAC 2-7-16]

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

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the

affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

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

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

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

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

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

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

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

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

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

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

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

B.13 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.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

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

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

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

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

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

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

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

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

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

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

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

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

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

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

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

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

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

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

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

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

B.25 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 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.2 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

C.3 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.4 Fugitive Dust Emissions [326 IAC 6.8-10-3]

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

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

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

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

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

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

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

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

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

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

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

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

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on September 2, 2008. The plan is included as Attachment A.

C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days

of initial start-up, whichever is later. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

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

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

C.9 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.10 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.11 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.12 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ

that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.13 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

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

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

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

The statement must be submitted to:

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

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

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

C.14 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b))

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

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

(A) A description of the project.

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

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

(i) Baseline actual emissions;

(ii) Projected actual emissions;

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

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

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

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

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

C.15 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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

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

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

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

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

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

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

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

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

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

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

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

Reports required in this part shall be submitted to:

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

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

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

Stratospheric Ozone Protection

C.16 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

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

(a) Slag/kish, scrap, slag crushing and sizing processing plant with a combined limited throughput of 1,620,000 tons of slag/kish per hour, controlled by water suppression, consisting of the following:

(1) Forty-eight (48) conveyors;

(2) Two (2) double deck screens;

(3) Four (4) triple deck screens;

(4) Three (3) crushers;

(5) Two (2) feeders;

(6) Three (3) MAG head pulleys;

(7) One (1) splitter box; and

(8) One (1) electro magnet

These emissions units at the slag/kish, scrap, slag crushing and sizing plant will be powered by electricity, and no emission unit will be powered by diesel or other types of fuel, except for the natural gas used in the oxymethane flame cutting of scrap.

(b) Scrap Cutting Operation consisting of the following:

(1) Twelve (12) oxymethane flame cutting stations with a total maximum cutting rate of 15 inches/minute using natural gas fuel at maximum of 2.75 million cubic feet per year (0.32 million British thermal units per hour (MMBtu/hr)), all stations controlled by one (1) baghouse.

(c) One (1) slag chip process, constructed in 2010, with a maximum throughput capacity of 350 tons per hour, consisting of the following:

(1) One (1) feed hopper;

(2) One (1) auxiliary feed hopper;

(3) One (1) crusher;

(4) One (1) screen;

(5) One (1) magnet;

(6) Five (5) conveyors; and

(7) Three (3) stackers

(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 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each feeder, crusher, screen, hopper, conveyor and oxymethane flame cutting operation shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per standard cubic foot (g/dscf).

D.1.2 Particulate Emission Less Than Ten Microns (PM10) Limitations [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6.8-10-3(7)(A), the PM10 emissions from the oxymethane flame cutting operation shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.8-10-3(7)(A), the opacity from the baghouse associated with the oxymethane flame cutting operation shall not exceed 10%. Compliance with this opacity limit shall be determined using
EPA Method 9.

D.1.3 PM/PM10 and PM2.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2] and Nonattainment NSR Minor Limits [326 IAC 2-1.1.5]

(a) The source shall be limited to process a combined total of 1,620,000 tons of slag/kish per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The ferrous recovery plants (BOF#2 and BOF#4) and the portable ferrous recovery plant, from MultiServ shall be shutdown permanently prior to the operation of the Phoenix Services LLC dba Metal Services LLC plant and must be dismantled within twenty-four (24) months upon start-up of operation of the Phoenix Services LLC dba Metal Services LLC plant. The MultiServ plants shutdown shall account for the PM and PM10 emissions reduction of 34.96 tons/year and 13 tons/year, respectively, to reduce emissions from the Phoenix Services LLC dba Metal Services LLC plant to less than 25 tons/year of PM and less than 15 tons/year of PM10.

(c) The PM10 and PM2.5 emissions from the oxymethane flame cutting operation shall be limited to 1.41 pound per hour and 1.41 pound per hour, respectively.

Compliance with (a) through (c) of this condition in conjunction with the limit in Section D.2 shall render 326 IAC 2-2, Prevention of Significant Deterioration not applicable to this modification, new Phoenix Services LLC dba Metal Services LLC plant with respect to PM and PM10 emissions. Compliance with this condition in conjunction with the limit in Section D.2 shall also render 326 IAC 2-1.1-5, Nonattainment NSR not applicable for PM2.5.

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

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

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

D.1.5 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

In order to demonstrate compliance with the limits in Conditions D.1.1, D.1.2 and D.1.3 for the oxymethane flame cutting operation, the Permittee shall perform PM/PM10 and PM2.5 testing on one (1) baghouse associated with the oxymethane flame cutting operation within 180 days of publication of the new or revised condensable PM test method(s) referenced in the U. S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008 or within 180 days of achieving normal operation

of the oxy-methane flame cutting operation, whichever comes later. This testing shall be conducted utilizing methods as approved by the Commissioner.

The PM/PM10 and PM2.5 testing shall be repeated once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing. PM10 and PM2.5 includes filterable and condensable PM.

D.1.6 Continuous Compliance Plan [326 IAC 6.8-8]

(a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall operate all emission units at the plant in accordance with the Continuous Compliance Plan (CCP). The Permitee shall maintain at the source a copy of the Continuous Compliance Plan (CCP) submitted to IDEM on September 2, 2008. The CCP shall include the recording, inspection and maintenance in accordance with the information in 326 IAC 6.8-8-7 or applicable procedures in the CCP.

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

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

D.1.7 PM and PM10 Control

In order to comply with Conditions D.1.1, D.1.2 and D.1.3,

(a) the Permittee shall apply water or use wet suppression system on an as needed basis to the slag aggregate stockpiles to control particulate emissions from the feeders, crushers, hoppers, screens and conveyors when processing the slag aggregate stockpiles.

(b) the Permittee shall perform moisture content analysis on the slag aggregate stockpiles to ensure it has a moisture content greater than 3.6 percent. Samples of the slag aggregate stockpiles shall be collected quarterly and moisture content determined as a percent of the dry weight. The method for moisture content analysis shall be approved by IDEM, OAQ.

(c) the Permittee shall minimize sourcewide PM/PM10 and PM2.5 emissions in accordance with the Fugitive Dust Control Plan (Attachment A) of this permit.

(d) the control equipment for the oxymethane flame cutting stations shall be in operation at all times that oxymethane flame cutting operation is in operation.

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

D.1.8 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

(a) Visible emission notations from each feeder, crusher, hopper, screen, conveyor and oxymethane flame cutting 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 steps in accordance with Section C-Response to Excursions or Exceedences. Failure to take response steps in accordance with Section C- Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.9 Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with oxymethane flame cutting at least once per day when the process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once annually.

D.1.10 Broken or Failed Bag Detection

(a) For a single compartment baghouse-controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.11 Record Keeping Requirements

(a) To document compliance with Condition D.1.3, the Permittee shall maintain records of the scrap and slag/kish total throughput weight that was processed for each compliance period.

(b) To document compliance with Condition D.1.8, the Permittee shall maintain records of the once per day visible emission notations notations from each feeder, crusher, hopper, screen, conveyor and oxymethane flame cutting and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.1.7, the Permittee shall maintain records of the quarterly moisture content analysis of the slag aggregate stockpile materials.

(d) To document compliance with Condition D.1.9, the Permittee shall maintain once per day records of the total static pressure drop during normal operation and the reason for the lack of pressure drop notation (e.g. the process did not operate that day).

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

D.1.12 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.1.3(a) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(2) A listing of those control measures

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

(4) Any corrective action taken

These reports shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

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

Insignificant Activities:

Combustion related activities, including the following:

(a) Space heaters, process heaters, or boilers using the following fuels:

(1) Fuel oil-fired combustion sources with heat input heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths percent (0.5%) sulfur by weight.

The source will use two (2) direct fired space heaters each with a input capacity of 500,000 Btu/hour.

Fuel dispensing activities, including the following:

(a) A gasoline fuel transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks maybe in a fixed location or on mobile equipment.

(b) A petroleum fuel, other than gasoline dispensing facility having a storage capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.

The following VOC and HAP storage containers:

(a) Storage tanks with capacity less than one thousand (1,000) gallons and annual throughput less than twelve thousand (12,000) gallons.

Actitivities associated with emergencies, including the following:

(a) Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

The source will utilize one (1) 450 horsepower.diesel generator.

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

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

D.2.1 Particulate Emission Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate emissions from one (1) emergency generator fired by fuel oil and each two (2) space heaters fired by waste oil shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per standard cubic foot (g/dscf).

Compliance with this limit in conjunction with the limits in Section D.1 shall render 326 IAC 2-2, Prevention of Significant Deterioration not applicable to this modification, new Phoenix Services LLC dba Metal Services LLC plant with respect to PM and PM10 emissions. Compliance with this condition in conjunction with the limits in Section D.1 shall also render 326 IAC 2-1.1-5, Nonattainment NSR not applicable for PM2.5.

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

D.2.2 Record Keeping Requirements

Pursuant to 326 IAC 8-9, the Permitee shall keep maintain a record and submit to the department the following information for each vessel:

(A) The vessel identification number.
(B) The vessel dimension.
(C) The vessel capacity.

Records shall be maintained for the life of the vessels.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

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

Insignificant Activities:

Actitivities associated with emergencies, including the following:

(a) Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

The source will utilize one (1) 450 horsepower.diesel generator.

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

E.1.1 General Provisions Relating to NSPS IIII [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart IIII.

E.1.2 Stationary Compression Ignition Internal Combustion Engines NSPS Requirements [40 CFR Part 60, Subpart IIII]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines) (included as Attachment B) 40 CFR 60.4200:

40 CFR 60.4200(a)(2)(i)
40 CFR 60.4202(a)(2)
40 CFR 60.4205(b)
40 CFR 60.4206
40 CFR 60.4207(a), (b)
40 CFR 60.4208(a)
40 CFR 60.4209
40 CFR 60.4211(a), (c), (e)
40 CFR 60.4212
40 CFR 60.4214(b)
40 CFR 60.4218
40 CFR 60.4219
Table 5
Table 8

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

Source Name: Phoenix Services LLC dba Metal Services LLC
Source Address: 3236 Watling Street, East Chicago, Indiana 46312
Mailing Address: PO Box 3070, East Chicago, IN 46312-3070
Part 70 Permit No.: T089-26806-00536

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

Compliance and Enforcement Branch
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Phoenix Services LLC dba Metal Services LLC
Source Address: 3236 Watling Street, East Chicago, Indiana 46312
Mailing Address: PO Box 3070, East Chicago, IN 46312-3070
Part 70 Permit No.: T089-26806-00536

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____
Title / Position: _____
Date:_____
Phone: _____

A certification is not required for this report.

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

Source Name: Phoenix Services LLC dba Metal Services LLC
Source Address: 3236 Watling Street, East Chicago, Indiana 46312
Mailing Address: PO Box 3070, East Chicago, IN 46312-3070
Part 70 Permit No.: T089-26806-00536

Months: _____ to _____ Year: _____

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Phoenix Services LLC dba Metal Services LLC
Source Address: 3236 Watling Street, East Chicago, Indiana 46312
Mailing Address: PO Box 3070, East Chicago, IN 46312-3070
Part 70 Permit No.: T089-26806-00536
Facility: Sourcewide
Parameter: Slag/kish throughput
Limit: Combined limit of 1,620,000 tons per twelve (12) consecutive month period of slag/kish with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Slag/Kish Processed This Month	Slag/Kish Processed Previous 11 Months	Slag/Kish Processed 12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

ATTACHMENT A

PHOENIX SERVICES LLC DBA METAL SERVICES LLC AT ARCELORMITTAL STEEL USA INDIANA-HARBOR EAST
FUGITIVE EMISSION CONTROL PLAN

INTRODUCTION

This Fugitive Emission Control Plan has been prepared to comply with Rule 10 under Article 6.8 of 326 IAC Lake County: Fugitive Particulate Matter. The Plan covers the operations of Phoenix Services LLC dba Metal Services LLC which occur within the facility listed as ArcelorMittal Steel USA-Indiana Harbor East. The regulations defining the required contents of this plan are listed in 326 IAC 6.8 as follows:

326 IAC 6.8-10-4 [Control plans]

Sec. 4.

Control plans shall include the following:

(1) Within six (6) months of June 11, 1993, a source to which this rule applies shall submit a control plan that, when fully implemented, will achieve compliance with the applicable emission limitations stated in section 3 of this rule. Failure to submit a control plan in accordance with this rule shall be considered a violation of this article. A control plan shall also be included as part of a construction permit application under 326 IAC 2-5.1.

(2) A control plan, upon submittal to the department, shall become part of a source's operating permit or registration conditions.

(3) The following information:

(A) The name and address of the following:

(i) The source and location, if the source is located on another source's property.

(ii) If different from that of the source, the owner or operator responsible for the execution of the plan.

(B) Identification of the facilities or operations listed in section 1(a)(1) of this rule and those affected by 326 IAC 6.8-2 through 326 IAC 6.8-7 that exist at the source.

(C) A map showing the location of all of the following:

(i) Unpaved roads.

(ii) Paved roads.

(iii) Parking lots.

(iv) Storage piles.

(v) Material processing facilities.

(vi) Dust handling equipment.

(vii) Material transfer points.

(viii) Waste disposal and reclamation sites.

(D) A full description of the facilities on the map, including the following information, where applicable:

(i) The road lengths and widths, average daily traffic, surface silt loading, classification of vehicle traffic, and other data necessary to estimate PM10 emissions from paved and unpaved roads and parking lots.

(ii) A description of each storage pile, including the following:

(AA) The type of material in the pile.

(BB) Its moisture content.

(CC) The silt content.

(DD) The throughput.

(EE) The equipment used to load onto and load out of the storage piles.

(iii) A complete description of the material processing facilities on the plant property, including the following:

(AA) A material flow diagram of the processing lines.

(BB) The rated capacity of each piece of equipment.

(CC) The existing control equipment and their efficiencies, including the process equipment served.

(iv) A complete description of the material transfer, inplant transportation, and dust handling equipment. Material transfer operations shall include, at a minimum, those operations contained in section 2(13) of this rule.

(v) A complete description of all other fugitive particulate matter emitting facilities not covered in this clause.

(E) The description of the proposed control measures and practices that the source will employ to achieve compliance with the emission limitations and data that prove its effectiveness.

(F) A list of the conditions that will prevent control measures and practices from being applied and alternative control practices and measures that will achieve compliance with the emission limitations.

(G) A schedule for achieving compliance with the provisions of the control plan. The schedule shall specify the time required to:

(i) award necessary contracts; and

(ii) begin and complete construction and installation.

Final compliance shall be achieved no later than December 10, 1993.

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

(A) A map or diagram showing the location of all emission sources controlled, including the:

(i) location;

(ii) identification;

(iii) length; and

(iv) width of roadways.

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

(i) The name and location of the roadway controlled.

(ii) Application rate.

(iii) The time of each application.

(iv) The width of each application.

(v) The identification of each method of application.

(vi) The total quantity of water or chemical used for each application.

(vii) For each application of chemical solution, the concentration and identity of the chemical.

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

(C) For application of physical or chemical control agents not covered by clause (B), the following:

(i) The name of the agent.

(ii) The location of application.

(iii) The application rate.

(iv) The total quantity of agent used.

(v) If diluted, the percent of concentration.

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

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

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

(F) The records required under this subdivision shall be:

(i) kept and maintained for at least three (3) years; and

(ii) available for inspection and copying by department representatives during working hours.

(G) A quarterly report shall be submitted to the department stating the following:

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

(ii) A listing of those control measures.

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

(iv) Any corrective action taken.

This report shall be submitted to the department thirty (30) calendar days from the end of a quarter. Quarters end March 31, June 30, September 30, and December 31.

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(A) as follows:

(i) The source and location, if the source is located on another source's property.

REQUESTED INFORMATION

The address of the source location is as follows:

Phoenix Services LLC dba Metal Services LLC at ArcelorMittal Steel USA-Indiana Harbor East
3236 Watling Street
East Chicago, Indiana 46312

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(A) as follows:

(ii) If different from that of the source, the owner or operator responsible for the execution of the plan.

REQUESTED INFORMATION

The operator responsible for the facilities described in this Plan is:

Phoenix Services LLC dba Metal Services LLC
PO Box 3070
East Chicago, IN 46312-3070

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3) as follows:

(B) Identification of the facilities or operations listed in section 1(a)(1) of this rule and those affected by 326 IAC 6.8-2 through 326 IAC 6.8-7 that exist at the source.4.

REQUESTED INFORMATION

Phoenix Services LLC dba Metal Services LLC Processes and Operations at ArcelorMittal Steel USA-Indiana Harbor East

(1) Slag Processing

(2) Scrap Processing
a. Tundish Lancing under a Baghouse
b. Ball Drop

(3) Pot Hauling and Pit Digging - #2 and #4 Steel Processing

(4) Pot Dumping - # 5 and #6 Blast Furnaces

(5) Unpaved Roads and Parking Lots

(6) Paved Roads

(7) Storage Piles

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3) as follows:

(C) A map showing the location of all of the following:

(i) Unpaved roads.

(ii) Paved roads.

(iii) Parking lots.

(iv) Storage piles.

(v) Material processing facilities.

(vi) Dust handling equipment.

(vii) Material transfer points.

(viii) Waste disposal and reclamation sites.

REQUESTED INFORMATION

Figure 1 is an overall site plan that identifies the processes and operations conducted by Phoenix Services LLC dba Metal Services LLC at the ArcelorMittal Steel USA-Indiana Harbor East facilities.

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(D) as follows:

(i) The road lengths and widths, average daily traffic, surface silt loading, classification of vehicle traffic, and other data necessary to estimate PM10 emissions from paved and unpaved roads and parking lots.

REQUESTED INFORMATION

The following Tables provides all the information necessary to determine the amount of fugitive dust emitted from unpaved roadway traffic.

VEHICULAR ACTIVITY ON ROADWAYS

Table 1. Vehicle Information

Vehicle Description	Max. No. round trips at peak hours	Distance one way	Speed	Max gross weight	Tare weight	No. of wheels
Units	Trips/hour	Miles/trip	mph	tons	tons	
Kress 420CT Pot Carriers	1.5	0.20	10.0	230.00	80.00	4
Kress 2000CT Pot Carriers	3.0	1.50	10.0	210.00	110.00	4
CAT 988 Hot Pit Loader	3.0	0.10	5.0	70.00	55.00	4
Kawasaki 95Z RT Loader	2.0	0.10	5.0	42.00	34.00	4
50 Ton Off Highway Truck	2.0	0.75	10.0	140.00	90.00	4
CAT 988 RT Loader	60.0	0.20	5.0	70.00	55.00	4
50 Ton Off Highway Truck	10.0	0.75	10.0	140.00	90.00	4
Water truck	3.0	4.50	10.0	140.00	90.00	4
Road Grader	2.0	2.50	5.0	25.00	25.00	6
Fuel and Lube Truck	2.0	2.50	10.0	1.50	1.50	4

Table 2. Roadway Information

Road ID	Type	Silt Loading	Total Loads/year	Feet/leg	Miles/leg	Legs/trip	Annual Miles travelled
01	Unpaved 2 Lane	1.5%	18,182	1,055	0.200	2	7,266
02	Unpaved 2 Lane	1.5%	18,182	100	0.019	2	689
03	Unpaved 2 Lane	1.5%	8,929	100	0.019	2	512
04	Unpaved 2 Lane	1.5%	133,333	100	0.019	2	5,041
05	Unpaved 2 Lane	1.5%	13,333	800	0.152	2	4,040
06	Unpaved 2 Lane	1.5%	133,333	700	0.133	2	35,354

Road ID	Type	Silt Loading	Total Loads/year	Feet/leg	Miles/leg	Legs/trip	Annual Miles travelled
07	Unpaved 2 Lane	1.5%	13,333	100	0.019	2	505
08	Unpaved 2 Lane	1.5%	133,333	50	0.009	2	2,525
09	Unpaved 2 Lane	1.5%	24,000	2,640	0.500	2	24,000
10	Unpaved 2 Lane	1.5%	8,000	2,640	0.500	2	8,000
11	Unpaved 2 Lane	1.5%	13,333	2,640	0.500	2	13,333
12	Unpaved 2 Lane	1.5%	2,000	2,640	0.500	2	2,000
13	Unpaved 2 Lane	1.5%	4,000	2,640	0.500	2	4,000

MATERIALS HANDLED

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(D) as follows:

(ii) A description of each storage pile, including the following:

(AA) The type of material in the pile.

(BB) Its moisture content.

(CC) The silt content.

(DD) The throughput.

(EE) The equipment used to load onto and load out of the storage piles.

REQUESTED INFORMATION

Table 3. Storage Pile Information

Storage Pile ID	Type	Moisture Content (%)	Silt Content (%)	Throughput (tons/year)	Loading Equipment
1	Unprocessed EAF slag and scrap	0.92	5.3	2,000,000	CAT 988 RT Loader
2	Processed + 16” scrap and slag	3.60	0	80,000	CAT 988 RT Loader
3	Processed 16” x 3.5” scrap	3.60	0	100,000	CAT 988 RT Loader
4	Processed 3.5” x 3/8” EAF scrap	3.60	0	280,000	CAT 988 RT Loader
5	Processed 3.5” x 3/8” EAF slag	3.60	0	100,000	CAT 988 RT Loader
6	Processed 3/8” x #4 scrap	3.60	0	80,000	CAT 988 RT Loader
7	Processed 3/8” x #4 EAF	3.60	0	100,000	CAT 988 RT

Storage Pile ID	Type	Moisture Content (%)	Silt Content (%)	Throughput (tons/year)	Loading Equipment
	slag				Loader
8	Processed #4 x 0" scrap and slag	3.60	3.3	1,080,000	CAT 988 RT Loader

MATERIAL PROCESSING FACILITIES

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(D) as follows:

(iii) A complete description of the material processing facilities on the plant property, including the following:

(AA) A material flow diagram of the processing lines.

(BB) The rated capacity of each piece of equipment.

(CC) The existing control equipment and their efficiencies, including the process equipment served.

REQUESTED INFORMATION

Figure 2 and Figure 3 show the slag plant setup, and the material flow respectively of the Phoenix Services LLC dba Metal Services LLC operations. The slag processing plant consists of the following equipment and throughput capacities in tons per year:

EQUIPMENT **CAPACITY (tons/hour)**

(1) Forty-eight (48) conveyors;

(2) Two (2) double deck screens;

(3) Four (4) triple deck screens;

(4) Three (3) crushers;

(5) Two (2) feeders;

(6) Three (3) MAG head pulleys;

(7) One (1) splitter box; and

(8) One (1) electro magnet

(9) Twelve (12) oxymethane flame cutting stations

MATERIAL TRANSFER

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(D) as follows:

(iv) A complete description of the material transfer, inplant transportation, and dust handling equipment. Material transfer operations shall include, at a minimum, those operations contained in section 2(13) of this rule.

REQUESTED INFORMATION

Phoenix Services LLC dba Metal Services LLC operations at the ArcelorMittal facility will consist of material transfer and inland transportation as follows:

#4 SP Pot Hauling Services

Phoenix Services LLC dba Metal Services LLC will haul slag pots from the #4 Steel Processing facility, and also dig and haul slag for further processing from the dump station slag pits 24 hours a day, 7 days a week.

#2 SP Pot Dumping Services

Phoenix Services LLC dba Metal Services LLC will dig and move the #2 S Steel Processing slag from the pot dump station in conjunction with the #4 SP dump station operations. This dug material will also be processed through the processing plant located in the same area adjacent to the #4 SP locations...

#2 SP and #4 SP Slag Processing and Metal Recovery Services

Material from the #2 and #4 SP facilities previously described will be fed to the slag processing plant by CAT 988 rubber tire loaders. 50-ton off-highway trucks will be used to move material away and around the processing plant.

A 35 ton highway tractor and a 100 ton lowboy will be utilized to haul oversized material from the #2 and #4 SP facilities. Cable cranes with 100 ft booms equipped with magnet and drop ball attachments will be used to break up oversized scrap. A hydraulic crane will also be used to break scrap and move material.

Processed slag will either be trucked off site or delivered back to the mill for use as feed material.

#2 and #4 SP Melt Shop Cleanup Services

Rubber tire loaders (or equivalent) equipped with remote controls will be used for metal shop clean-up services by digging underneath the #2 and #4 SP furnaces. A 50 ton off-highway truck will then be used to haul this material to the slag dump station.

A water truck will be utilized throughout the site to water the roadways used for transportation of the material.

OTHER PROCESSES

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3)(D) as follows:

(v) A complete description of all other fugitive particulate matter emitting facilities not covered in this clause.

REQUESTED INFORMATION

Lancing operations will be conducted under a baghouse to reduce the size of large scrap material not adequately reduced by the drop ball cranes.

CONTROL MEASURES

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3) as follows:

(E) The description of the proposed control measures and practices that the source will employ to achieve compliance with the emission limitations and data that prove its effectiveness.

REQUESTED INFORMATION

The following control measures are designed to reduce uncontrolled fugitive dust, from the emission points previously identified and achieve compliance with emission limitations:

(1) Slag Processing

The material processed through the facility has a moisture content which helps in controlling the amount of fugitive emissions during processing. However, if the moisture level gets too high the material cannot be screened properly. Control measures in this area are based on the use of water sprays. These sprays are directed at the dust being emitted from specific points within the process. The purpose is to agglomerate the dust particles so they settle more quickly. The system also has sprays which can be used to wet the material when this can be done without interfering with the screening process.

The water distribution system is fitted with flow meters which are checked weekly by the visual emissions observer. In this way he can correlate the flow rate to the effectiveness of the dust suppression system.

Additionally the front-end loader operator shall be directed to avoid overfilling the bucket of the loader and the feed hoppers to prevent spillage, and to minimize the drop height of the material when loading the feed hoppers or transferring material to stockpiles.

(2) **Scrap Processing**

(A) Tundish Lancing

All lancing operations will be conducted under a hood attached to a baghouse where fabric collectors use filtration to separate dust particulates from dusty gases. This setup provides one of the most efficient and cost effective types of dust collectors available and can achieve a collection efficiency of more than 99% for very fine particulates. In accordance with 326 IAC 6-5-4 (i)(1)(B), to prevent particulate matter from escaping during Tundish lancing operations, emission will be captured via a hood and conveyed through a duct into a baghouse system.

(B) Ball Drop

Dust suppression in the Ball drop are will be accomplished by applying water to the material being processed. Because this operation is conducted outdoors, conditions will vary widely. Operating personnel will be trained to recognize unacceptably high dust levels and will react by applying water using hoses.

(3) Pot Hauling, Pot Dumping and Pit Digging

Molten slag is transported from the Steel furnaces by slag pot haulers operated by Phoenix Services LLC dba Metal Services LLC and the pot hauler speeds are no greater than 10 mph for safety reasons and to minimize the occurrence of dust.

The molten slag is unloaded at the pot dumping station after which water is applied to temper the slag in the pit. Two or more pits are used alternately in sequence for pot dumping to allow previously

dumped slag to be tempered in one pit while new molten slag is dumped in the next pit. The current pot dumping frequency may be as high as one pot per 1.2 hours. Sufficient water is applied to ensure compliance with visible emission limitations. Tempered slag is removed from the pit before the next pot is dumped. All water sprays are turned off following the removal of the tempered slag and no dumping into the pit is allowed for a period of at least 15 minutes after the spraying ends. Note: Extreme caution must be exercised by personnel preparing to dump a pot of molten slag into the excavated pit to ensure that no water remains in the pit. The tempered slag is deposited in an intermediate feed pile where material is watered until it is sufficiently moist to be processed. Drop heights from loaders are kept at a minimum during all transfers. Visual observations are performed to determine the need for additional water application. Maintaining moisture and minimizing drop heights are part of Phoenix Services LLC dba Metal Services LLC Best Management Practices (BMPs).

This plan is supplemented by standard operating procedures (SOP) and safety job practices (SJP) for the Pot Station Attendant and the Loader Operator for Pit digging.

(4) Unpaved Roads and Parking Lots

Unpaved roadways and parking areas will be watered each day there is roadway activity at the Phoenix Services LLC dba Metal Services LLC site except when there is sufficient natural precipitation or the temperature is near or below freezing. The water truck will travel at a speed of approximately 3 to 5 miles per hour when applying water. Frequency of road watering will depend on weather conditions.

Water will be the predominant dust suppressant material utilized in all processes and operations where fugitive emissions may arise.

In accordance with 326 IAC 6-5-4 (a)(2)(C), roadways and parking lots will be sprayed with water and the frequency of application shall be on an as needed basis.

In accordance with 326 IAC 6-5-4 (b)(2)(B), open aggregate piles shall be sprayed with water on an as needed basis.

In accordance with 326 IAC 6-5-4 (c)(2) and 326 IAC 6-5-4 (h)(1), Slag processing operations will employ moist material and water sprays at the feed and/or intermediate points including the crushing and screening points as needed to minimize visible emissions.

In accordance with 326 IAC 6-5-4 (d)(3), Fugitive emissions resulting from the transferring of aggregate material shall be controlled by the application of water as needed.

In accordance with 326 IAC 6-5-4 (e)(5), particulate matter emissions resulting from the transportation of aggregate material shall be controlled by ensuring that the material being transported is moist.

In accordance with 326 IAC 6-5-4 (f)(3), Fugitive particulate matter emissions resulting from loading and unloading operations of material shall be controlled by spraying with water as needed.

ALTERNATIVE CONTROL PRACTICES

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3) as follows:

(F) A list of the conditions that will prevent control measures and practices from being applied and alternative control practices and measures that will achieve compliance with the

emission limitations.

REQUESTED INFORMATION

Since the utilization of water is the preferred method for the control of fugitive emissions, the only conditions that would prevent the application of this practice would be weather related and would include the following:

1. Rain
2. Snow
3. Saturated ground or material
4. Frozen ground or material.

During any of these conditions no fugitive dust is expected to arise from material handling, processing, or transport.

COMPLIANCE SCHEDULE

APPLICABLE REGULATION FOR PLAN CONTENT:

326 IAC 6.8-10-4(3) as follows:

(G) A schedule for achieving compliance with the provisions of the control plan. The schedule shall specify the time required to:

(i) award necessary contracts; and

(ii) begin and complete construction and installation.

Final compliance shall be achieved no later than December 10, 1993.

REQUESTED INFORMATION

The compliance plan will be immediately effective upon issuance of an operating permit. Construction is anticipated to begin in April 2009 with a startup date of June 5, 2009.

RECORD KEEPING

APPLICABLE REGULATION FOR PLAN CONTENT:

3326 IAC 6.8-10-4 as follows:

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

(A) A map or diagram showing the location of all emission sources controlled, including the:

(i) location;

(ii) identification;

(iii) length; and

(iv) width of roadways.

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

recorded:

(i) The name and location of the roadway controlled.

(ii) Application rate.

(iii) The time of each application.

(iv) The width of each application.

(v) The identification of each method of application.

(vi) The total quantity of water or chemical used for each application.

(vii) For each application of chemical solution, the concentration and identity of the chemical.

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

(C) For application of physical or chemical control agents not covered by clause (B), the following:

(i) The name of the agent.

(ii) The location of application.

(iii) The application rate.

(iv) The total quantity of agent used.

(v) If diluted, the percent of concentration.

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

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

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

(F) The records required under this subdivision shall be:

(i) kept and maintained for at least three (3) years; and

(ii) available for inspection and copying by department representatives during working hours.

(G) A quarterly report shall be submitted to the department stating the following:

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

(ii) A listing of those control measures.

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

(iv) Any corrective action taken.

This report shall be submitted to the department thirty (30) calendar days from the end of a quarter. Quarters end March 31, June 30, September 30, and December 31.

REQUESTED INFORMATION

Phoenix Services LLC dba Metal Services LLC will comply with the above regulation regarding record keeping.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Phoenix Services LLC dba Metal Service LLC
Source Location:	3236 Watling Street, East Chicago, Indiana 46312
County:	Lake
SIC Code:	3295
Minor Source Modification No.:	089-28902-00536
Minor Permit Modification No.:	089-28918-00536
Part 70 Operation Permit No.:	T089-26806-00536
Operation Permit Issuance Date:	April 29, 2009
Permit Reviewer:	Mehul Sura

Source Definition

The source, Phoenix Services LLC dba Metal Service LLC (previously identified as Metal Services, LLC d/b/a Phoenix Services, LLC), is a contractor for ArcelorMittal USA, Inc. Plant ID 089-00316, an integrated steel mill and is collocated with the following on-site contractors:

(a) ArcelorMittal USA, Inc. (Plant ID 089-00316), the primary operation, is located at, 3210 Watling Street, East Chicago, Indiana;

(b) Fritz Enterprises Inc. (Plant ID 089-00465), the on-site contractor (an iron and steel recycling process and a coke screening plant), is located at 3210 Watling Street, East Chicago, Indiana;

(c) Beemsterboer Slag and Ballast Corp. (Plant ID 089-00356), the on-site contractor (a slag crushing and sizing operation), is located at 3210 Watling Street, East Chicago, Indiana;

(d) East Chicago Recovery (Plant ID 089-00358), the on-site contractor (a briquetting facility), is located at 3236 Watling Street, East Chicago, Indiana;

(e) Oil Technology (Plant ID 089-00369), the on-site contractor (a used oil recycling facility), is located at 3236 Watling Street, East Chicago, Indiana;

(f) Mid Continent Coal and Coke (Plant ID 089-00371), the on-site contractor (a metallurgical coke separation facility), is located at 3236 Watling Street, East Chicago, Indiana;

(g) Indiana Harbor Coke Company (IHCC) (Plant ID 089-00382), the on-site contractor (a heat recovery coal carbonization facility), is located at 3210 Watling Street, East Chicago, Indiana 46312;

(h) Cokenergy, Inc. (Plant ID 089-00383), the on-site contractor (a heated gas steam from coal carbonization operation), is located at 3210 Watling Street, East Chicago, Indiana;

(i) LAFARGE North America (Plant ID 089-00458), the on-site contractor (a slag granulator and pelletizer operation), is located at 3210 Watling Street, East Chicago, Indiana; and

(j) MultiServ (Plant ID 089-00367), the on-site contractor (a scarfing plant and slag boat loading operation), is located at 3236 Watling Street, East Chicago, Indiana.

Separate Part 70 permits have been issued to Phoenix Services LLC dba Metal Service LLC (previously identified as Metal Services, LLC d/b/a Phoenix Services, LLC), ArcelorMittal USA, Inc., and each on-site contractor, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

Company Name	TV Permit Number
ArcelorMittal USA, Inc.	089-6577- 00316
Fritz Enterprises Inc.	089-20315-00465
Beemsterboer Slag and Ballast Corp.	089-6580-00356
East Chicago Recovery	089-6583-00358
Oil Technology, Inc.	089-6579-00369
Mid Continent Coal and Coke	089-6582-00371
Indiana Harbor Coke Company	089-11311-00382
Cokenergy, Inc.	089-11135-00383
LAFARGE North America	089-14766-00458
MultiServ	089-6581-00367

Existing Approvals

The source was issued Part 70 Operating Permit No. T089-26806-00536 on April 29, 2009. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
Administrative Amendment	089 - 28189 - 00536	July 13, 2009

County Attainment Status

The source is located in Lake County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O_3	Nonattainment Subpart 2 Moderate effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

Pollutant	Designation
[1]Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area for the 1-hour ozone standard which was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM2.5.	

(a) Ozone Standards

(1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(2) 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.

(i) 1-hour ozone standard

On December 22, 2006 the United States Court of Appeals, District of Columbia issued a decision which served to partially vacate and remand the U.S. EPA's final rule for implementation of the eight-hour National Ambient Air quality Standard for ozone. *South Coast Air Quality Mgmt. Dist. v. EPA*, 472 F.3d 882 (D.C. Cir., December 22, 2006), *rehearing denied* 2007 U.S. App. LEXIS 13748 (D.C. Cir., June 8, 2007). The U.S. EPA has instructed IDEM to issue permits in accordance with its interpretation of the *South Coast* decision as follows: Gary-Lake-Porter County was previously designated as a severe non-attainment area prior to revocation of the one-hour ozone standard, therefore, pursuant to the anti-backsliding provisions of the Clean Air Act, any new or existing source must be subject to the major source applicability cut-offs and offset ratios under the area's previous one-hour standard designation. This means that a source must achieve the Lowest Achievable Emission Rate (LAER) if it exceeds 25 tons per year of VOC emissions and must offset any increase in VOC emissions by a decrease of 1.3 times that amount.

On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties, including the lower NOx threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standards. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.

(ii) 8-hour ozone standard

VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.

(b) PM2.5
U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. 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 New Source Review Rule for PM2.5 promulgated on May 8, 2008, which became effective on July 15, 2008. Therefore, direct PM2.5 and SO2 emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Lake County has been classified as attainment or unclassifiable in Indiana for CO, NOx, SO2 and PM10. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Since this source is classified as a steel mill, it is considered to be in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset 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	greater than 100
PM_{10}	greater than 100
$PM_{2.5}$	greater than 100
SO_2	greater than 100
VOC	greater than 100
CO	greater than 100
NO_X	greater than 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 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 rules (326 IAC 2-1.1-5) since direct PM2.5 is emitted at a rate of 100 tons per year or more.

(c) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3) for the 8-hour ozone standard because the VOC and NOx are emitted at a rate of 100 tons per year or more.

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)
single HAP	greater than 10

HAPs	**Potential To Emit** (ton/yr)
combined HAPs	greater than 25

This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and 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).

Actual Emissions

The following table shows the actual emissions from Arcelor Mittal USA, Inc. This information reflects the 2006 OAQ emission data.

Pollutant	**Actual Emissions (ton/yr)**
PM	2,003
PM_{10}	2,003
$PM_{2.5}$	2,003
SO_2	3,224
VOC	1,463
CO	113,063
NO_X	4,418
Pb	4.25
HAP	not reported
Total HAPs	not reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Phoenix Services LLC dba Metal Service LLC (previously identified as Metal Services, LLC d/b/a Phoenix Services, LLC) on January 21, 2010 relating to the construction and operation of slag chip processing equipment. The following is a list of the proposed emission units:

One (1) slag chip process, constructed in 2010, with a maximum throughput capacity of 350 tons per hour, consisting of the following:

(a) One (1) feed hopper

(b) One (1) auxiliary feed hopper

(c) One (1) crusher

(g) One (1) screen

(e) One (1) magnet

(d) Five (5) conveyors

(h) Three (3) stackers

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for detailed 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	11.36
PM_{10}	7.35
$PM_{2.5}$	5.22
SO_2	-
VOC	-
CO	-
NO_X	-

This source modification is subject to 326 IAC 2-7-10.5(d)(3)(A) (minor source modification) because the PM PTE of this modification is greater than 10 tons per year and less than 25 tons per year.

Pursuant to 326 IAC 2-7-10.5(l)(1), the operation of this modification may not begin until the permit revision has been made in accordance with 326 IAC 2-7-12 (permit modification). Therefore, the permit revision due to this modification can not be made through 326 IAC 2-7-11 (administrative amendment). The modification will be incorporated into the Part 70 Operating Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b)(1)(B) because this modification does not involve significant changes to existing monitoring, reporting, or record keeping requirements in the Part 70 permit.

Permit Level Determination – PSD or 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.

	Potential to Emit (ton/yr)						
Process / Emission Unit	**PM**	**PM_{10}**	**PM2.5**	**SO_2**	**VOC**	**CO**	**NO_X**
Total for Modification	11.36	7.35	5.22	-	-	-	-
PSD Significant Threshold	**25**	**15**	**-**	**40**	**-**	**100**	**40**
Emission Offset Significant Threshold	**NA**	**NA**	**NA**	**NA**	**25**	**NA**	**-**
Nonattainment New Source Review (326 IAC 2-1.1-5) Major Source Thresholds	**NA**	**NA**	**10**	**-**	**NA**	**NA**	**NA**

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 and Nonattainment NSR significant levels. Therefore, pursuant to 326 IAC 2-3 and 326 IAC 2-1.1-5, the Emission Offset and Nonattainment NSR requirements do not apply.

Federal Rule Applicability Determination

There are no new federal rules that are applicable due to this permit modification.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-1.1-5 (Nonattainment New Source Review)
Nonattainment New Source Review applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

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 6.8-10 (Compliance Requirements: Control Plans)
The proposed equipment is subject to 326 IAC 6.8-10. The Permittee shall comply with the particulate emission limitations specified in 326 IAC 6.8-10-3 (Lake County Fugitive Particulate Matter Control Requirements) for the proposed equipment, using the fugitive dust control plan (FDCP) submitted on submitted on September 2, 2008.

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.

Compliance Determination Requirement
There is no compliance determination requirement applicable to this modification.

Compliance Monitoring Requirement
The Permittee shall perform daily visible emission notations of the particulate emissions from the proposed equipment.

This monitoring requirement is necessary to ensure that the FDCP is implemented by the Permittee on a continuous basis to comply with the 326 IAC 6.8-10-3 limits.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-26806-00536. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

(a) The proposed modification has been added in the permit.

(b) The source name has been changed to Phoenix Services LLC dba Metal Service LLC throughout the permit (including the fugitive dust control plan).

(c) The source mailing address and general source phone number phone number have been updated throughout the permit (including the fugitive dust control plan).

The new mailing address is as follows: PO Box 3070, East Chicago, IN 46312-3070

The new general source phone number is as follows: (219) 464397 25820650

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

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

. . .

(c) One (1) slag chip process, constructed in 2010, with a maximum throughput capacity of 350 tons per hour, consisting of the following:

(1) One (1) feed hopper;

(2) One (1) auxiliary feed hopper;

(3) One (1) crusher;

(4) One (1) screen;

(5) One (1) magnet;

(6) Five (5) conveyors; and

(7) Three (3) stackers

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

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

. . .

(c) One (1) slag chip process, constructed in 2010, with a maximum throughput capacity of 350 tons per hour, consisting of the following:

(1) One (1) feed hopper;

(2) One (1) auxiliary feed hopper;

(3) One (1) crusher;

(4) One (1) screen;

(5) One (1) magnet;

(6) Five (5) conveyors; and

(7) Three (3) stackers

. . .

. . .

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-28902-00536 and the operation of this proposed modification shall be subject Minor Permit Modification No. 089-28918-00536. The staff recommend to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emissions Calculations
One (1) slag chip process

Company Name: **Phoenix Services LLC dba Metal Service LLC**
Address City IN Zip: **3236 Watling Street, East Chicago, Indiana 46312**
Minor Source Modification No.: **089-28902-00536**
Minor Permit Modification No.: **089-28918-00536**
Reviewer: **Mehul Sura**
Date: **2/10/2010**

	Maximum Throughput	Maximum Throughput	Emission Factor			Controlled Emissions with Maximum throughput		
	(tons/yr)	(tons/yr)	(lb/ton of material processed)			(tons/yr)		
			PM	PM10	PM2.5	PM	PM10	PM2.5
One Hopper	350	3,066,000.0	0.00014	0.00005	0.00001	0.21	0.07	0.02
One Auxiliary Hopper	350	3,066,000.0	0.00014	0.00005	0.00001	0.21	0.07	0.02
Crusher	350	3,066,000.0	0.0012	0.0005	0.0001	1.84	0.83	0.15
S1 - Screen	350	3,066,000.0	0.0022	0.0007	0.0001	3.37	1.13	0.08
One Magnet	350	3,066,000.0	0.00014	0.00005	0.00001	0.21	0.07	0.02
Conveyers	350	3,066,000.0	0.00014	0.00005	0.00001	0.21	0.07	0.02
Stackers	350	3,066,000.0	0.0035	0.0032	0.0032	5.29	4.91	4.91
					Total	**11.36**	**7.15**	**5.22**

Fugitive dust control for the above equipment is federally enforceable.
Controlled Emissions with maximum throughput (tons/yr) = Maximum Throughput (tons/hr)*8760 (hrs/yr)*emission factor (lb/ton of material processed)/2000 (lb/ton)
Emission Factors based on AP-42 Crushed Stone Processing Operations, 11.19.2, Table 11.19.2-2, Date 08/04
Emission factor for stackers is from FIRE - Aggregate transfer and conveying PM from SCC# 30501123, and PM10 from SCC# 30502503 with 50% efficiency.

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

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Bruce Roth
Phoenix Services LLC dba Metal Services LLC
PO Box 3070
E Chicago, IN 46312-3070

DATE: May 3, 2010

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

SUBJECT: Final Decision
Part 70
089-28918-00536

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:
Susan Grenzebach
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

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

May 3, 2010

TO: East Chicago Public Library

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

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

Applicant Name: Phoenix Services LLC dba Metal Services LLC
Permit Number: 089-28918-00536

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 5/3/2010 Phoenix Services LLC dba Metal Services LLC 089-28918-00536 (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		Bruce Roth Phoenix Services LLC dba Metal Services LLC PO Box 3070 E Chicago IN 46312-3070 (Source CAATS)									
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 *(Local Official)*									
3		East Chicago Public Library 2401 E Columbus Dr East Chicago IN 46312-2998 *(Library)*									
4		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 *(Affected Party)*									
5		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 *(Health Department)*									
6		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 *(Affected Party)*									
7		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 *(Affected Party)*									
8		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)*									
9		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 *(Affected Party)*									
10		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 *(Affected Party)*									
11		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)*									
12		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 *(Affected Party)*									
13		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)									
14		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 *(Affected Party)*									
15		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 *(Affected Party)*									

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

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Mail Code 61-53

IDEM Staff	CDENNY 5/3/2010 Phoenix Services LLC dba Metal Services LLC 089-28918-00536 (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		Robert 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)									
2		Susan Grenzebach OCS Environmental 130 Lincoln St. Porter IN 46304 *(Consultant)*									
3		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 *(Affected Party)*									
4		Calumet Township Trustee 31 E 5th Avenue Gary IN 46402 *(Affected Party)*									
5		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(Affected Party)*									
6		Gary City Council 401 Broadway # 209 Gary IN 46402 *(Local Official)*									
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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