Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Signficant Modification to a
Part 70 Operating Permit

for Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
in Lake County

Significant Source Modification No.: 089-37275-00465
Significant Permit Modification No.: 089-37365-00465

The Indiana Department of Environmental Management (IDEM) has received an application from Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc., located at 3210 Watling Street, East Chicago, Indiana 46312, for a significant modification of its Part 70 Operating Permit issued on July 22, 2016. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Fritz Enterprises, Inc. to make certain changes at its existing source. Fritz Enterprises, Inc. has applied to construct a slag crushing operation used for crushing oversize slag material from the existing trommel slag screener.

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

Pastrick Public Library
1008 West Chicago Avenue
East Chicago, Indiana 46312

and

IDEM Northwest Regional Office
330 W. US Highway 30, Suites E & F
Valparaiso, IN 46385

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

How can you participate in this process?

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

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

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SSM No.089-37275-00465 and SPM No. 089-37365-00465 in all correspondence.

Comments should be sent to:

Aida DeGuzman
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 3-4972
Or dial directly: (317) 233-4972
Fax: (317) 232-6749 attn: Aida DeGuzman
E-mail: adeguzma@idem.IN.gov

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

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

What will happen after IDEM makes a decision?

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

If you have any questions, please contact Aida DeGuzman of my staff at the above address.

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

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DRAFT

Mr. David Splan
Fritz Enterprises, Inc.
1650 W. Jefferson
Trenton, Michigan 48183

Re: 089-37275-00465
Significant Source Modification

Dear Mr. Splan:

Fritz Enterprises Inc. was issued Part 70 Operating Permit Renewal No. T 089-36694-00465 on July 22, 2016 for a stationary an iron and steel recycling process, iron pigging, and a coke screening operation located at 3210 Watling Street, East Chicago, Indiana 46312. An application requesting changes to this permit was received on June 6, 2016. An application to modify the source was received on June 6, 2016. Pursuant to the provisions of 326 IAC 2-7-10.5, a Significant Source Modification is hereby approved as described in the attached Technical Support Document.

Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

(a) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(b) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(c) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(d) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(e) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

The following construction conditions are applicable to the proposed modification:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the

rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

Commenced Construction

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), the Commissioner may revoke this approval 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.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Approval to Construct

6. Pursuant to 326 IAC 2-7-10.5(h)(2), this Significant Source Modification authorizes the construction of the new emission unit(s), when the Significant Source Modification has been issued.

   Pursuant to 326 IAC 2-7-10.5(m), the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

   Pursuant to 326 IAC 2-7-12, operation of the new emission unit(s) is not approved until the Significant Permit Modification has been issued. Operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification in accordance with 326 IAC 2-7-10.5(m)(2) and 326 IAC 2-7-12 (Permit Modification).

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

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 Aida DeGuzman of my staff, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Aida DeGuzman or extension 3-4972 or dial (317) 233-4972.

Sincerely,

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

Attachments: Significant Source Modification and Technical Support Document

cc: File - Lake County
Lake County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Northwest Regional Office

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Significant Source Modification
OFFICE OF AIR QUALITY

Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
3210 Watling Street
East Chicago, Indiana 46312

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

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 new and/or existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2 7 10.5, applicable to those conditions.

Significant Source Modification No 089-37275-00465	
Issued by: Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date:

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Attachment C: 40 CFR 63, Subpart ZZZZ- National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.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(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary an iron and steel recycling process, iron pigging, and a coke screening operation.

Source Address:	3210 Watling Street, East Chicago, Indiana 46312
General Source Phone Number:	219-378-0148
SIC Code:	3312 ((Steel Works, Blast Furnaces (including coke ovens), and Rolling Mills)) 5093 (Scrap and Waste Materials)
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Emission Offset Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

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

	Company Name	Source ID	Operation Description
17	Hoosier Pig Services LL	089-00582	Pig iron ingot casting

Fritz Enterprises, Inc. is under the common control of ArcelorMittal USA, Inc. These plants are considered one major source, as defined by 326 IAC 2-7-1(22), based on this contractual control. Therefore, the term “source” in the Part 70 documents refers to both ArcelorMittal USA, Inc., and Fritz Enterprises, Inc. as one major source.

Separate Part 70 permits have been issued to ArcelorMittal USA, Inc., and Fritz Enterprises, Inc. solely for administrative purposes.

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

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

(a) One (1) Iron Pigging Machine, identified as unit SPM-01, also known as Pigging Ladle Facility, constructed in 1993, with a maximum capacity of 270 tons molten iron per hour temporarily cast into "pigs". This operation is only used occasionally. The particulate emissions are controlled by ArcelorMittal USA, Inc. former mold foundry baghouse (43), exhausting through stack 43. This baghouse also controls Pugh Ladle lancing emissions resulting from operations performed by ArcelorMittal USA, Inc.

(b) One (1) non-emergency diesel engine 3512, identified as unit SD-1, constructed in 1986, installed August 2001, with a maximum capacity of 1019 horsepower, and venting to stack SV001.

(c) One (1) steel and iron sizing and classifying process, constructed in 2001, consisting of:

(1) One (1) Hammer Mill, identified as unit SH-1, with a maximum capacity of 75 tons of steel and iron per hour, no control, and venting to the atmosphere;

(2) One (1) iron and steel drop-balling process, consisting of three (3) drop-ball cranes, identified as units SDB1, SDB2 and SDB3, with a maximum capacity of 112.5 tons of steel and iron per hour, no control, and venting to the atmosphere;

(3) One (1) Wash Screen, identified as unit SS-1, with a maximum capacity of 75 tons of steel and iron per hour, no control, and venting to the atmosphere;

(4) Eight (8) conveyors, identified as SC-1 through SC-8, with a total maximum throughput of 112.5 tons of steel and iron per hour, with no control;

(5) Three (3) front-end loaders, with a total maximum throughput of 112.5 tons of steel and iron per hour, with no control;

(6) Three (3) storage piles, identified as units SSP-1, SSP-2 and SSP-3, also identified as the feed storage pile, the non-magnetic material storage pile, and the magnetic material storage pile, each with a maximum capacity of 1000 tons of steel and iron, for a total capacity of 3000 tons, using wet suppression for particulate matter control and venting to the atmosphere. The total storage area encompasses 40,000 square feet or approximately 0.918 acres.

(d) One (1) coke screening operation, constructed in 2004, with a maximum capacity of 110 tons of coke per hour, no control, exhausting to the atmosphere, consisting of the following:

(1) One (1) feed hopper, identified as unit CH-1.

(2) One (1) double deck screen, identified as unit CS-1.

(3) Five (5) conveyors, identified as units CC-1 through CC-5.

(4) One (1) diesel engine, identified as unit CD-1, purchased on January 5, 2003, constructed in 2003, installed in 2004 with a maximum capacity of 134 horsepower, and exhausting to stack SV002.

(5) Three (3) material storage piles for the coke screening operation, with a total maximum throughput of 110 tons of coke per hour. The total area encompasses 562,500 square feet or approximately 12.91 acres.

(e) One (1) mobile slag screening operation, constructed in 2005, consisting of the following:

(1) One (1) mobile rotary drum screen (trommel), identified as SS-2, with a maximum capacity of 200 tons of slag per hour and an average sustainable capacity of 125 tons per hour, no control, and exhausting to the atmosphere.

(2) One (1) six-cylinder diesel engine associated with the rotary drum screen (trommel) (SS-2), identified as SD-2, with a maximum rated capacity of 200 horsepower, no control, and exhausting to atmosphere.

(3) Two (2) portable stacking conveyor belts with a maximum combined capacity of 200 tons of slag per hour and an average sustainable capacity of 125 tons per hour.

(4) One (1) diesel drive engine for conveyors, identified as SD-3, purchased on June 10, 2005, with a maximum rated capacity of 45 horsepower, no control, and exhausting to atmosphere.

(f) One (1) mobile slag screening operation, permitted in 2013, consisting of the following:

(1) One (1) Terex (Chieftain) multi-deck portable screen identified as PS-1, with a maximum capacity of 300 tons of slag per hour, no control, exhausting to the atmosphere.

(2) One (1) diesel engine, identified as D-1, with a rated capacity of 168 horsepower, no control, exhausting to atmosphere.

(3) One (1) diesel engine, identified as D-2, with a rated capacity of 200 horsepower, no control, exhausting to the atmosphere.

(g) One (1) magnetic separator and conveyor, identified as MAG-1, permitted in 2013, with a maximum capacity of 300 tons per hour, with no control.

(h) One (1) re-usable iron and slag reclaim operation, approved in 2015 for construction, including the following:

(1) One (1) Salvage Machine, identified at S-4, with a maximum throughput of 600 tons per hour, to separate iron from slag materials magnetically, using a 135 HP diesel engine D-5 and dust suppression for particulate matter control.

(2) One (1) Triple Deck Screening system, identified as S-3, with a maximum throughput of 350 tons per hour, including magnetic separation, using a 168 HP diesel engine D-4 and dust suppression for particulate matter control.

(3) One (1) Belt Feeder/Scalper, Identified as F-3, with a maximum throughput of 600 tons per hour, using dust suppression for particulate matter control.

(4) Three (3) conveyors, identified as C6, C7 and C8, each with a maximum throughput of 600 tons per hour, 350 tons per hours and 250 tons per hour, respectively, for a total of 1200 tons per hour, with no control.

(5) Four (4) storage piles for the slag reclaim operations, identified as P-7 through P-10, each with a maximum throughput of 150 tons per hour, with a maximum storage capacity of 750,000 tons, with no control. The total area encompasses 250,000 square feet or approximately 5.74 acres.

(6) One (1) diesel engine, identified as D-4, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(7) One (1) diesel engine, identified as D-5, with a rated capacity of 135 horsepower, no control, exhausting to the atmosphere.

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(1) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(2) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(3) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NSPS Subpart IIII, the diesel engines, identified as D-1, D-2, D-4, D-5, D-6 and D-7 are considered stationary compression ignition internal combustion engines, constructed after July 11, 2005.

Under NESHAP Subpart ZZZZ, the diesel engines, identified as SD-1, CD-1, SD-2 and SD-3 are considered existing compression ignition reciprocating internal combustion engines.

Under NESHAP Subpart ZZZZ, the engines D-1, D-2, D-4, D-5, D-6 and D-7 are considered new compression ignition reciprocating internal combustion engines.

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

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

(a) One (1) diesel fuel storage tank, constructed in 2001 with a maximum capacity of 10,000 gallons.

(b) One (1) diesel fuel storage tank, constructed in 2003 with a maximum capacity of 1,000 gallons.

(c) Paved and unpaved roads and parking lots.

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

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SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T089-36694-000465, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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

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

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

and

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

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

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

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

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

The Permittee shall implement the PMPs.

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

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

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

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

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

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

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

The Permittee shall implement the PMPs.

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

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

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

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

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

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

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

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

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553**.**

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

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

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

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

(A) A description of the emergency;

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

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(C) Corrective actions taken.

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

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

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

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

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) All terms and conditions of permits established prior to T089-36694-000465 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

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

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

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Administrative Part 70 operating permit.

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-

5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(1) That this permit contains a material mistake.

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

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

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

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

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

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

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if,

subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

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

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

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

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

(3) Any change in emissions; and

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

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION C **SOURCE OPERATION CONDITIONS**

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.2 Open Burning [326 IAC 4-1][IC 13-17-9]

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

C.3 Incineration [326 IAC 4-2][326 IAC 9-1-2]

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

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

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

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

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

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

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

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

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

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

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

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

(h) Material processing facilities shall include the following:

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

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

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

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

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

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

(j) Material transfer limits shall be as follows:

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

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

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

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

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

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

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan (Attachment A of the operating permit).

C.6 Stack Height [326 IAC 1-7]

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

C.7 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

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

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

pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

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

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

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

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

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.10 Lake County Fugitive Particulate Matter Control Requirements [326 IAC 6.8-10]

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

Opacity from the activities shall be determined as follows:

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

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

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

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

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

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

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

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

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

The three (3) readings shall be taken at the point of maximum opacity. The observer

shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

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

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

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

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

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

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

(i) Unpaved Roads and Parking

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

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

C.11 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

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

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

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

Indianapolis, Indiana 46204-2251

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

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

(c) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(d) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.12 Continuous Compliance Plan [326 IAC 6.8-8-1][326 IAC 6.8-8-8]

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

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

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

C.13 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]

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

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

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

C.15 Risk Management Plan [326 IAC 2-7-5(11)][40 CFR 68]

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

C.16 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5][326 IAC 2-7-6]

(I) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, in this permit:

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

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

(1) initial inspection and evaluation;

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

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

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

(1) monitoring results;

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

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

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

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

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(II)

(a) CAM *Response to excursions or exceedances.*

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a Quality Improvement Plan (QIP). The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(c) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(h) *CAM recordkeeping requirements.*

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(c) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

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

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

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

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

(a) In accordance with the compliance schedule specified in 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.

(b) 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(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

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

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

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

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

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

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

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

(A) A description of the project.

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

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

(i) Baseline actual emissions;

(ii) Projected actual emissions;

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

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

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

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

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

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11][326 IAC 2-2][326 IAC 2-3][40 CFR 64][326 IAC 3-8]

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

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On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

(b) The address for report submittal is:

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

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

(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

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

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

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

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

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

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

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

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

Reports required in this part shall be submitted to:

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

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

C.21 Record Keeping Requirements [326 IAC 6.8-10]

Pursuant to 326 IAC 6.8-10-4(4) (Lake County Fugitive Particulate Matter Control Requirements):

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

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

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

(A) The name and location of the roadway controlled

(B) Application rate

(C) Time of each application

(D) Width of each application

(E) Identification of each method of application

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

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

(H) The material data safety sheets for each chemical

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

(A) The name of the agent

(B) Location of application

(C) Application rate

(D) Total quantity of agent used

(E) If diluted, percent of concentration

(F) The material data safety sheets for each chemical

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

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

Stratospheric Ozone Protection

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

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

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:

(a) One (1) Iron Pigging Machine, identified as unit SPM-01, also known as Pigging Ladle Facility constructed in 1993, with a maximum capacity of 270 tons molten iron per hour temporarily cast into "pigs". This operation is only used occasionally. The particulate emissions are controlled by ArcelorMittal USA, Inc. former mold foundry baghouse (43), exhausting through stack 43. This baghouse also controls Pugh Ladle lancing emissions resulting from operations performed by ArcelorMittal USA, Inc.

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

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

D.1.1 Lake County PM10 emission requirements [326 IAC 6.8-2-17]

Pursuant to 326 IAC 6.8-2-17, PM10 emissions from the former mol d foundry baghouse (43) shall not exceed 0.011 gr/dscf and 26 lbs/hr.

The limit encompasses all operations in the former mold foundry (pigging, pugh car lancing operation, dekishing and debricking operations) performed by the primary source, ArcelorMittal, and its contractors.

D.1.2 Emission Offsets [326 IAC 2-2][326 IAC 2-3]

Pursuant to CP No. 089-2905-00316, issued on March 29, 1993 to ArcelorMittal USA, Inc. and in order to render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The iron pigging machine, pugh car lancing, and the dekishing and debricking operations shall be conducted inside the mold foundry building.

(2) The emissions from the pigging operation shall be captured and exhausted to the former mold foundry baghouse (43) with particulate matter emissions not to exceed 26.0 pounds per hour and 0.011 grains per dry standard cubic foot of exhaust air.

(3) The iron dumping operation, which accompanied these operations, has been replaced by iron pigging. However, in an emergency or when the iron pigging machine is not available, iron dumping is used. Lancing of Pugh Ladles performed by ArcelorMittal USA, Inc. shall not occur simultaneously with Pugh Ladle pigging operations performed by Fritz Enterprises, Inc.

Compliance with these limits shall render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable.

D.1.3 Sulfur Dioxide (SO_2)[326 IAC 7-4.1-11]

Pursuant to 326 IAC 7-4.1-11(a)(12), the SO_2 emissions from the Pigging Ladle Facility shall not exceed 0.020 lbs/ton and four (4.0) lbs/hour.

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.1.5 Particulate Control [326 IAC 2-7-6(6)]

(a) The former mold foundry baghouse (43) shall be operated at all times that the Iron Pigging Machine/pigging operation/Pigging Ladle Facility is in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired, replaced, blanked or isolated. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.1.6 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)][40 CFR 64][326 IAC 3-8]

(a) Visible emission notations of the former mold foundry baghouse (43) stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.1.7 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)][40 CFR 64][326 IAC 3-8]

(1) The Permittee shall record the pressure drop across the baghouse used in conjunction with the former mold foundry baghouse (43) used in conjunction with the iron pigging operation, at least once per day when the iron pigging operation is in operation. When, for any one (1) reading, the pressure drop across the baghouse is outside the normal range, the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between 2.0 and 8.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps 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 in accordance with the manufacturer's instructions but not less frequently than once per year.

D.1.8 Broken or Failed Bag Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

(a) For a single compartment baghouses 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 have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. 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 Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.6, the Permittee shall maintain records of once per day visible emission notations of the former mold foundry baghouse (43) stack exhaust when performing Iron Pigging. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).

(b) To document the compliance status with Condition D.1.7, the Permittee shall maintain once per day records of the pressure drop across the baghouse during normal operation when venting to the atmosphere. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

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

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SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:

(b) One (1) non-emergency diesel engine 3512, identified as unit SD-1, constructed in 1986, installed August 2001, with a maximum capacity of 1019 horsepower, and venting to stack SV001.

Under NESHAP Subpart ZZZZ, the diesel engine SD-1 is considered an existing compression ignition reciprocating internal combustion engine.

(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 Emission Offset Minor Limit [326 IAC 2-3]

Pursuant to F089-14058-00465, issued on August 6, 2001, and as revised in Part 70 Operating Permit No. T089-29857-00465, issued on October 11, 2011 and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(a) The hours of operation of the diesel engine 3512, identified as SD-1, shall be not exceed 2,242 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The NO_x emissions from diesel engine unit 3512, identified as SD-1, shall be less than or equal to an emission rate of 22.3 pounds per hour.

Compliance with these limits shall limit the potential to emit of nitrogen oxides (NO_X) to less than twenty-five (25) tons per twelve (12) consecutive month period. Compliance with this limit makes 326 IAC 2-3 (Emission Offset) not applicable to these units (also known as 2001 modification).

D.2.2 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from diesel engine 3512, identified as SD-1, shall be limited to 0.03 grain per dry standard cubic foot of exhaust air.

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

D.2.3 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.1, the Permittee shall maintain records of the total hours of operation per month of diesel engine 3512, identified as SD-1.

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

D.2.4 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted using the reporting forms located at the end of this permit, or their equivalent not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35).

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SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:

(c) One (1) steel and iron sizing and classifying process, constructed in 2001, consisting of:

(1) One (1) Hammer Mill, identified as unit SH-1, with a maximum capacity of 75 tons of steel and iron per hour, no control, and venting to the atmosphere;

(2) One (1) iron and steel drop-balling process, consisting of three (3) drop-ball cranes, identified as units SDB1, SDB2 and SDB3, with a maximum capacity of 112.5 tons of steel and iron per hour, no control, and venting to the atmosphere;

(3) One (1) Wash Screen, identified as unit SS-1, with a maximum capacity of 75 tons of steel and iron per hour, no control, and venting to the atmosphere;

(4) Eight (8) conveyors, identified as SC-1 through SC-8, with a total maximum throughput of 112.5 tons of steel and iron per hour, with no control,;

(5) Three (3) front-end loaders, with a total maximum throughput of 112.5 tons of steel and iron per hour, with no control,;

(6) Three (3) storage piles, identified as units SSP-1, SSP-2 and SSP-3, also identified as the feed storage pile, the non-magnetic material storage pile, and the magnetic material storage pile, each with a maximum capacity of 1000 tons of steel and iron, for a total capacity of 3000 tons, using wet suppression for particulate matter control and venting to the atmosphere. The total storage area encompasses 40,000 square feet or approximately 0.918 acres.

(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.3.1 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from the following:
(i) hammer mill SH-1,
(ii) iron and steel drop-balling process (drop-ball cranes SDB1, SDB2 and SDB3),
(iii) wash screen SS-1, and
(iv) each conveyor transfer point
shall each be limited to 0.03 grain per dry standard cubic foot of exhaust air.

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.3.3 PM and PM_{10} Control

In order to comply with Condition D.3.1, the Permittee shall use wet suppression on an as needed basis to control emissions of PM from the following:

(i) hammer mill SH-1,
(ii) iron and steel drop-balling process (drop-ball cranes SDB1, SDB2 and SDB3),
(iii) wash screen SS-1, and
(iv) each conveyor transfer point

when these emission units are in operation. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than five (5) weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.3.4 Visible Emissions Notations

(a) Visible emission notations of the exhausts from the following:
(i) hammer mill SH-1,
(ii) iron and steel drop-balling process (drop-ball cranes SDB1, SDB2 and SDB3),
(iii) wash screen SS-1, and
(iv) each conveyor transfer point

shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.3.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.3, the Permittee shall maintain records of the chemical analysis of the processed materials from the steel and iron sizing and classifying process line, as needed.

(b) To document the compliance status with Condition D.3.4, the Permittee shall maintain once per day records of visible emission notations of the following:
(i) hammer mill SH-1,
(ii) iron and steel drop-balling process (drop-ball cranes SDB1, SDB2 and SDB3),
(iii) wash screen SS-1, and
(iv) each conveyor transfer point

The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).

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

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SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:

(d) One (1) coke screening operation, constructed in 2004, with a maximum capacity of 110 tons of coke per hour, no control, exhausting to the atmosphere, consisting of the following:

(1) One (1) feed hopper, identified as unit CH-1.

(2) One (1) double deck screen, identified as unit CS-1.

(3) Five (5) conveyors, identified as units CC-1 through CC-5.

(4) One (1) diesel engine, identified as unit CD-1, purchased on January 5, 2003, constructed in 2003, installed in 2004 with a maximum capacity of 134 horsepower, and exhausting to stack SV002.

(5) Three (3) material storage piles for the coke screening operation, with a total maximum throughput of 110 tons of coke per hour. The total area encompasses 562,500 square feet or approximately 12.91 acres.

Under NESHAP Subpart ZZZZ, the diesel engine CD-1 is considered an existing compression ignition reciprocating internal combustion engine.

(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.4.1 PSD and Emission Offset Minor Limits [326 IAC 2-2][326 IAC 2-3]

Pursuant to Significant Permit Modification 089-17404-00465, issued on January 13, 2004, and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset) not applicable, the PM and PM_{10} emissions from the following emissions units shall not exceed the emission rates listed in the table below:

Emission Units	PM Emission Limit (lbs/hr)	PM_{10} Emission Limit (lbs/hr)
Feed Hopper CH-1	0.097	0.047
Double Deck Screen CS-1	0.485	0.231
Each Conveyor Transfer Point	0.011	0.005

Compliance with these limits, combined with the PM and PM_{10} emissions from the following:
(a) 134 horsepower diesel engine (CD-1),
(b) material storage piles,
shall be limited to less than twenty-five (25) tons per year for PM and less than fifteen (15) tons per year for PM_{10}. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) are not applicable to these units (also known as 2004 modification).

D.4.2 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from the following:
(i) feed hopper CH-1,
(ii) double deck screen CS-1,
(c) each conveyor transfer point, and
(d) one (1) diesel engine CD-1,

shall each be limited to 0.03 grain per dry standard cubic foot of exhaust air.

D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.4.4 PM and PM_{10} Control

In order to comply with Conditions D.4.1 and D.4.2, the Permittee shall use wet suppression on an as needed basis to control emissions of PM and PM_{10} from the following:
(i) feed hopper CH-1,
(ii) double deck screen CS-1, and
(iii) each conveyor transfer point,
when these emission units are in operation.

The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-3, and 326 IAC 6.8-1-2. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than five (5) weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.4.5 Visible Emissions Notations

(a) Visible emission notations of the exhausts from the following:
(i) feed hopper CH-1,
(ii) double deck screen CS-1, and
(iii) each conveyor transfer point
shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.4.6 Record Keeping Requirements

(a) To document the compliance status with Condition D.4.4, the Permittee shall maintain records of the chemical analysis of the processed material, as needed.

(b) To document the compliance status with Condition D.4.5, the Permittee shall maintain once per day records of visible emission notations of the following:
(i) feed hopper
(ii) the double deck screen, and
(iii) the conveyor transfer points.
The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).

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

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:

(e) One (1) mobile slag screening operation, constructed in 2005, consisting of the following:

(1) One (1) mobile rotary drum screen (trommel), identified as SS-2, constructed in 2005, with a maximum capacity of 200 tons of slag per hour and an average sustainable capacity of 125 tons per hour, no control, and exhausting to the atmosphere.

(2) One (1) six-cylinder diesel engine associated with the rotary drum screen (trommel) (SS-2), identified as SD-2, with a maximum rated capacity of 200 horsepower, no control, and exhausting to atmosphere.

(3) Two (2) portable stacking conveyor belts with a maximum combined capacity of 200 tons of slag per hour and an average sustainable capacity of 125 tons per hour.

(4) One (1) diesel drive engine for conveyors, identified as SD-3, purchased on June 10, 2005, with a maximum rated capacity of 45 horsepower, no control, and exhausting to atmosphere.

(f) One (1) mobile slag screening operation, permitted in 2013, consisting of the following:

(1) One (1) Terex (Chieftain) multi-deck portable screen identified as PS-1, with a maximum capacity of 300 tons of slag per hour, no control, exhausting to the atmosphere.

(2) One (1) diesel engine, identified as D-1, with a rated capacity of 168 horsepower, no control, exhausting to atmosphere.

(3) One (1) diesel engine, identified as D-2, with a rated capacity of 200 horsepower, no control, exhausting to the atmosphere.

(g) One (1) magnetic separator and conveyor, identified as MAG-1, permitted in 2013, with a maximum capacity of 300 tons per hour, with no control.

(h) One (1) re-usable iron and slag reclaim operation, approved in 2015 for construction, including the following:

(3) One (1) Salvage Machine, identified at S-4, with a maximum throughput of 600 tons per hour, to separate iron from slag materials magnetically, using a 135 HP diesel engine D-5 and dust suppression for particulate matter control.

(4) One (1) Triple Deck Screening system, identified as S-3, with a maximum throughput of 350 tons per hour, including magnetic separation, using a 168 HP diesel engine D-4 and dust suppression for particulate matter control.

(3) One (1) Belt Feeder/Scalper, Identified as F-3, with a maximum throughput of 600 tons per hour, using dust suppression for particulate matter control.

(4) Three (3) conveyors, identified as C6, C7 and C8, with a maximum throughput of 600 tons per hour, 350 tons per hours and 250 tons per hour, respectively, for a total of 1200 tons per hour.

(5) Four (4) storage piles for the slag reclaim operations, identified as P-7 through P-10,

with a maximum throughput of 150 tons per hour, with a maximum storage capacity of 750,000 tons. The total area encompasses 250,000 square feet or approximately 5.74 acres.

(6) One (1) diesel engine, identified as D-4, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(7) One (1) diesel engine, identified as D-5, with a rated capacity of 135 horsepower, no control, exhausting to the atmosphere.

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(1) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(2) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(3) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NSPS Subpart IIII, the diesel engines, identified as D-1, D-2, D-4, D-5, D-6 and D-7 are considered stationary compression ignition internal combustion engines, constructed after July 11, 2005.

Under NESHAP Subpart ZZZZ, the diesel engines, identified as SD-1, CD-1, SD-2 and SD-3 are considered existing compression ignition reciprocating internal combustion engines.

Under NESHAP Subpart ZZZZ, the engines D-1, D-2, D-4, D-5, D-6 and D-7 are considered new compression ignition reciprocating internal combustion engines.

(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.5.1 Emission Offset Minor Limit [326 IAC 2-3]

(a) Diesel engines SD-2 and SD-3

Pursuant to Minor Source Modification 089-20905-00465, issued on May 25, 2005, and as revised in Part 70 Operating Permit No. T089-29857-00465, issued on October 11, 2011, and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The total hours of operation of each diesel engine (SD-2 and SD-3) shall not exceed 6,579 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The total NOx emissions from diesel engines SD-2 and SD-3 shall be less than or equal to an emission rate of 7.595 pounds per hour.

Compliance with D.5.1(a)(1) and (2) shall ensure that the potential to emit of nitrogen oxides (NO_x) for SD-2 and SD-3 (total) remains below less than twenty-five (25) tons per twelve (12) consecutive month period, rendering 326 IAC 2-3 (Emission Offset) not applicable to these units (also known as 2005 modification).

(b) Diesel engines D-1 and D-2

Pursuant to Significant Permit Modification 089-32562-00465, issued March 27, 2013, and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The total hours of operation of each diesel engine (D-1 and D-2) shall not exceed 4,000 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The total NOx emissions from diesel engines D-1 and D-2 shall be less than or equal to an emission rate of 11.4 pounds per hour.

Compliance with D.5.1(b)(1) and (2) and D.5.1(c)(1) and (2) shall ensure that the combined potential to emit of NOx for D-1, D-2, D-4, and D-5 remains below 40 tons per twelve (12) consecutive month period, rendering 326 IAC 2-3 not applicable to these units (also known as 2013 and 2015 modifications).

(c) Diesel engines D-4 and D-5

Pursuant to Significant Permit Modification 089-34974-00465 issued February 10, 2015, and as revised in Part 70 Operating Permit No. T089-36694-00465 and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The total hours of operation of each diesel engine (D-4 and D-5) shall not exceed 2,080 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The total NOx emissions from diesel engines D-4 and D-5 shall be less than or equal to an emission rate of 9.4 pounds per hour.

Compliance with D.5.1(b)(1) and (2) and D.5.1(c)(1) and (2) shall ensure that the combined potential to emit of NOx for D-1, D-2, D-4, and D-5 remains below 40 tons per twelve (12) consecutive month period, rendering 326 IAC 2-3 not applicable to these units (also known as 2013 and 2015 modifications).

(d) Diesel Engines, D-6 and D-7

Pursuant to Significant Source Modification 089-37275-00465 and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The combined diesel throughput to vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall be limited to less than 125,635 gallons per twelve consecutive month period, with compliance at the end of each month.

(2) The NOx emissions from the vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall not exceed 0.62 pound per gallon of diesel, each.

Compliance with these limitations shall limit the NOx emissions from these engines to less than 40 tons per year, and renders the requirements of 326 IAC 2-3, Emission Offset not applicable to this modification.

D.5.2 PSD Minor Limit [326 IAC 2-2][326 IAC 2-3]

(a) Mobile slag screening operation:

Pursuant to Significant Permit Modification 089-32562-00465, issued March 27, 2013, and as revised in Part 70 Operating Permit No. T089-36694-00465, in order to render 326 IAC 2-2 (PSD) not applicable, the Terex (Chieftain) screen PS-1 and magnetic conveyor MAG-1 shall comply with the following:

(1) The throughput of slag for the Terex (Chieftain) screen PS-1 and magnetic conveyor MAG-1 shall be limited to 1,200,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The controlled PM, PM_{10} and $PM_{2.5}$ emission limits shall not exceed the following:

Emission Unit	PM limit (lb/ton)	PM10 limit (lb/ton)	PM2.5 limit (lb/ton)
Screen PS-1	0.0050	0.0017	0.0008
Conveyor MAG-1	0.0006	0.0002	0.0001

(3) The Permittee shall use wet suppression at all times to control emissions of PM, PM_{10} and $PM_{2.5}$ from the Screen PS-1 and Conveyor MAG-1 when these emission units are in operation. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than five (5) weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

(b) Re-usable iron and slag reclaim operation:

Pursuant to Significant Permit Modification 089-34974-00465 issued February 10, 2015, and as revised in Part 70 Operating Permit No. T089-36694-00465 and in order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(1) The throughput of the reclaimed slag & iron for the following:

Screener S-3
Conveyors C6, C7, C8,
Belt Feeder/Scalper F-3
Salvage Machine S-4

shall be limited to 1,157,025 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The controlled PM, PM_{10} and $PM_{2.5}$ emission limit shall not exceed the following:

Emission Unit	PM limit (lb/ton)	PM-10 limit (lb/ton)	PM2.5 limit (lb/ton)
Screener S-3	0.0050	0.0017	0.0008
Conveyors C6, C7, C8,	0.0006	0.0002	0.0002
Belt Feeder/Scalper F-3	0.0006	0.0002	0.0002
Salvage Machine S-4	0.00002	0.00002	0.00002

(3) The Permittee shall use wet suppression at all times to control emissions of PM, PM_{10} and $PM_{2.5}$ from the following:

Screener S-3
Conveyors C6, C7, C8,
Belt Feeder/Scalper F-3
Salvage Machine S-4

when these emission units are in operation. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than five (5) weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

Compliance with these limitations shall ensure that the PM, PM_{10} and $PM_{2.5}$ emissions from the following:

Screen PS-1
Conveyor MAG-1
Screener S-3
Conveyors C6, C7, C8,
Belt Feeder/Scalper F-3
Salvage Machine S-4

in conjunction with the PM, PM_{10}, and $PM_{2.5}$ emissions from diesel engines D-1 and D-2, D-4 and D-5 and the 2013 mobile slag operations front end loaders and storage piles shall be limited to less than 25, 15, and 10 tons per year, rendering 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable to these units (also known as 2013 and 2015 modifications).

D.5.3 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from the following shall each be limited to 0.03 grain per dry standard cubic foot of exhaust air

(a) rotary drum screen (trommel) SS-2,
(b) each stacking conveyor belt transfer point,
(c) two (2) diesel engines (SD-2, SD-3),
(d) Terex (Chieftain) screen PS-1,
(e) magnetic conveyor MAG-1,
(f) two (2) diesel engines (D-1, D-2),
(g) Triple deck screening system S-3,
(h) salvage machine S-4,
(i) belt feeder/scalper F-3,
(j) each conveyor transfer point (C6, C7, C8),
(k) two (2) diesel engines (D-4, D-5),
(l) mobile vertical shaft, identified as V-1,
(m) feeder for the vertical shaft, identified as F-4,
(n) conveyor belts, identified as C-9 and C-10, and
(o) two (2) engines D-6 and D-7.

D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.5.5 PM and PM_{10} Control

In order to comply with Conditions D.5.2 and D.5.3, the Permittee shall use wet suppression at all times to control emissions of PM, PM_{10} and $PM_{2.5}$ from the following:

(i) rotary drum screen (trommel) SS-2,
(ii) each stacking conveyor belt transfer point,
(iii) Terex (Chieftain) screen PS-1,
(iv) magnetic conveyor MAG-1,
(v) Triple deck screening system S-3,
(vi) salvage machine S-4,
(vii) belt feeder/scalper F-3,
(viii) each conveyor transfer point (C6, C7, C8),
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

when these emission units are in operation. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than 5.0 weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.5.6 Visible Emissions Notations

(a) Visible emission notations of the exhausts from the following:

(i) rotary drum (trommel) screen,
(ii) Terex (Chieftain) screen PS-1,
(iii) triple deck screener S-3,
(iv) salvage machine S-4,
(v) belt feeder/scalper F-3,
(iv) from each conveyor transfer point,
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.5.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.5.1, the Permittee shall maintain records of the total hours of operation per month of each of the diesel engines (SD-2 SD-3, D-1, D-2, D-4, D-5).

(b) To document the compliance status with Condition D.5.1(d), the Permittee shall maintain records of the combined diesel throughput to vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7.

(c) To document the compliance status with Condition D.5.2(a)(1), the Permittee shall maintain monthly records of the total slag throughput to the mobile slag screening operation.

(d) To document the compliance status with Condition D.5.2(b)(1), the Permittee shall maintain monthly records of the total throughput to the re-usable iron and slag reclaim operation.

(e) To document the compliance status with Conditions D.5.2(a)(3), D.5.2(b)(3), and D.5.5, the Permittee shall maintain records of the chemical analysis of the processed material, as needed.

(f) To document the compliance status with Condition D.5.6, the Permittee shall maintain once per day records of visible emission notations of the following:
(i) rotary drum (trommel) screen,
(ii) Terex (Chieftain) screen PS-1,
(iii) triple deck screener S-3,
(iv) salvage machine S-4,
(v) belt feeder/scalper F-3,
(vi) from each conveyor transfer point,
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).

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

D.5.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.5.1 and D.5.2 shall be submitted using the reporting forms located at the end of this permit, or their equivalent not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35).

SECTION D.6 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions [326 IAC 2-7-5(14)]:

Insignificant Activities:

(a) One (1) diesel fuel storage tank, constructed in 2001 with a maximum capacity of 10,000 gallons.

(b) One (1) diesel fuel storage tank, constructed in 2003 with a maximum capacity of 1,000 gallons.

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

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

D.6.1 Record Keeping Requirements

Pursuant to 326 IAC 8-9-6(b), the Permittee must keep the following records for the two (2) diesel fuel storage tanks:

(a) The vessel identification number;

(b) The vessel dimensions; and

(c) The vessel capacity.

Pursuant to 326 IAC 8-9-6(a), these records shall be maintained for the life of the vessel.

SECTION E.1 **NSPS**

Emissions Unit Descriptions:

(f) One (1) mobile slag screening operation, permitted in 2013, consisting of the following:

(2) One (1) diesel engine, identified as D-1, with a rated capacity of 168 horsepower, no control, exhausting to atmosphere.

(3) One (1) diesel engine, identified as D-2, with a rated capacity of 200 horsepower, no control, exhausting to the atmosphere.

(h) One (1) re-usable iron and slag reclaim operation, approved for construction in 2015, including the following:

(6) One (1) diesel engine, identified as D-4, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(7) One (1) diesel engine, identified as D-5, with a rated capacity of 135 horsepower, no control, exhausting to the atmosphere.

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NSPS Subpart IIII, the diesel engines, identified as D-1, D-2, D-4, D-5, D-6 and D-7 are considered stationary compression ignition internal combustion engines, constructed after July 11, 2005.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards under 40 CFR Part 60 [326 IAC 12-1][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for four (4) diesel engines, identified as D-1, D-2, D-4 and D-5, except as otherwise specified in 40 CFR Part 60, Subpart IIII.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports 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

E.1.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR 60, Subpart IIII]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the diesel engines D-1, D-2, D-4, and D-5 as follows:

(1) 40 CFR 60.4200(a)(2)
(2) 40 CFR 60.4204
(3) 40 CFR 60.4205(b)
(4) 40 CFR 60.4206
(5) 40 CFR 60.4207(b)
(6) 40 CFR 60.4209
(7) 40 CFR 60.4211(a) and (c)
(8) 40 CFR 60.4212
(9) 40 CFR 60.4214(c)
(10) 40 CFR 60.4218
(11) 40 CFR 60.4219

(b) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the diesel engines D-6 and D-7 as follows:

(1) 40 CFR 60.4200(a)(2)(i), (4)
(2) 40 CFR 60.4204(b)
(3) 40 CFR 60.4205(b)
(4) 40 CFR 60.4206
(5) 40 CFR 60.4207(b)
(6) 40 CFR 60.4208
(7) 40 CFR 60.4209(b)
(8) 40 CFR 60.4211(a) and (c)
(9) 40 CFR 60.4212
(10) 40 CFR 60.4214(c)
(11) 40 CFR 60.4218
(12) 40 CFR 60.4219
(13) Table 8 to Subpart IIII of Part 60 - Applicability of General Provisions to IIII

SECTION E.2 **NESHAP**

Emissions Unit Descriptions:

(b) One (1) non-emergency diesel engine 3512, identified as unit SD-1, constructed in 1986, installed August 2001, with a maximum capacity of 1019 horsepower, and venting to stack SV001.

(d) One (1) coke screening operation, constructed in 2004, with a maximum capacity of 110 tons of coke per hour, consisting of the following:

(4) One (1) diesel engine, identified as unit CD-1, purchased on January 5, 2003, constructed in 2003, installed in 2004, with a maximum capacity of 134 horsepower, and exhausting to stack SV002.

(e) One (1) mobile slag screening operation, constructed in 2005, consisting of the following:

(2) One (1) six-cylinder diesel engine associated with the rotary drum screen (trommel) (SS-2), identified as SD-2, with a maximum rated capacity of 200 horsepower, no control, and exhausting to atmosphere.

(4) One (1) diesel drive engine for conveyors, identified as SD-3, purchased on June 10, 2005, with a maximum rated capacity of 45 horsepower, no control, and exhausting to atmosphere.

(f) One (1) mobile slag screening operation, permitted in 2013, consisting of the following:

(2) One (1) diesel engine, identified as D-1, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(3) One (1) diesel engine, identified as D-2, with a rated capacity of 200 horsepower, no control, exhausting to the atmosphere.

(h) One (1) re-usable iron and slag reclaim operation, approved for construction in 2015, including the following:

(6) One (1) diesel engine, identified as D-4, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(7) One (1) diesel engine, identified as D-5, with a rated capacity of 135 horsepower, no control, exhausting to the atmosphere.

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NESHAP Subpart ZZZZ, the diesel engines, identified as SD-1, CD-1, SD-2 and SD-3 are considered existing compression ignition reciprocating internal combustion engines.

Under NESHAP Subpart ZZZZ, the engines D-1, D-2, D-4, and D-5, D-6 and D-7 are considered new compression ignition reciprocating internal combustion engines.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-82-1 for Stationary Reciprocating Internal Combustion Engines for the emission units listed above, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.9, the Permittee shall submit all required notifications and reports 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

E.2.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR 63, Subpart ZZZZ]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ, (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the one (1) non-emergency diesel engine 3512 (SD-1) as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(1)(i)
(3) 40 CFR 63.6595(a)(1) and (c)
(4) 40 CFR 63.6600(d)
(5) 40 CFR 63.6604
(6) 40 CFR 63.6605
(7) 40 CFR 63.6610(a) and (d)
(6) 40 CFR 63.6615
(7) 40 CFR 63.6620
(8) 40 CFR 63.6625(g) and (h)
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(a)(3)
(13) 40 CFR 63.6645(b), (g), and (h)
(14) 40 CFR 63.6650(a), (b), and (c)
(15) 40 CFR 63.6655(a), (d), and (e)
(16) 40 CFR 63.6660
(17) 40 CFR 63.6665
(18) 40 CFR 63.6670

(19) 40 CFR 63.6675
(20) Tables 1a, 1b, 2a, 2b, 2c, 3, 4, 5, 6, 7, and 8 to Subpart ZZZZ (applicable portions)

(b) The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ, (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the diesel engines CD-1, SD-2 and SD-3, as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(1)(ii)
(3) 40 CFR 63.6595(a)(1) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6612
(7) 40 CFR 63.6615
(7) 40 CFR 63.6620
(8) 40 CFR 63.6625(e) and (h)
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(a)(1)
(13) 40 CFR 63.6645(d), (g), and (h)
(14) 40 CFR 63.6650(a), (b), and (c)
(15) 40 CFR 63.6655(a), (d), and (e)
(16) 40 CFR 63.6660
(17) 40 CFR 63.6665
(18) 40 CFR 63.6670
(19) 40 CFR 63.6675
(20) Tables 2c, 4, 5, 7, and 8 to Subpart ZZZZ (applicable portions)

(c) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the diesel engines D-1, D-2, D-4, and D-5 as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6605
(5) 40 CFR 63.6625(h)
(6) 40 CFR 63.6645(e)
(7) 40 CFR 63.6650(a),(b),and (c)
(8) 40 CFR 63.6655(a), (d), (e),
(9) 40 CFR 63.6660
(10) 40 CFR 63.6665
(11) 40 CFR 63.6670
(12) 40 CFR 63.6675

(d) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for diesel engine D-6 as follows:

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For new stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that commenced construction of the stationary RICE on or after June 12, 2006.

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6611
(7) 40 CFR 63.6615
(8) 40 CFR 63.6620
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(e)
(13) 40 CFR 63.6650(a),(b),and (c)
(14) 40 CFR 63.6660
(15) 40 CFR 63.6665
(16) 40 CFR 63.6670
(17) 40 CFR 63.6675
(18) Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ (applicable portions)

(e) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for diesel engine D-7 as follows:

For new stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that commenced construction of the stationary RICE on or after June 12, 2006.

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6625(h)
(7) 40 CFR 63.6645(e)
(8) 40 CFR 63.6650(a), (b), and (c)
(9) 40 CFR 63.6655(a)
(10) 40 CFR 63.6660
(11) 40 CFR 63.6665
(12) 40 CFR 63.6670
(13) 40 CFR 63.6675
(14) Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ (applicable portions)

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

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465

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:

DRAFT

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

ADMINISTRATIVE PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465

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**) daytime 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:

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Ic.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Diesel Engine (EU 3512) (SD-1)
Parameter: Hours of use limitation for the 1019 horsepower diesel engine
Limit: Shall not exceed 2,242 hours per twelve (12) consecutive month period with compliance determined at the end of each month
:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Diesel Engines SD-2 and SD-3
Parameter: Hours of use limitation total for diesel engines (SD-2 and SD-3)
Limit: Shall not exceed 6,579 hours (each) per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Diesel Engines D-1 and D-2
Parameter: Hours of operation
Limit: Shall not exceed 4,000 hours (each) per twelve (12) consecutive month period with compliance determined at the end of each month
:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Diesel Engines D-4 and D-5
Parameter: Hours of operation
Limit: Shall not exceed 2,080 hours (each) per twelve (12) consecutive month period with compliance determined at the end of each month
:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Chieftain Screen PS-1 and conveyor MAG-1
Parameter: Slag throughput
Limit: Shall not exceed 1,200,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month
:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Salvage Machine S-4, Triple deck Screener S-3, Belt Feeder F-3, and conveyors C6-C8
Parameter: Reclaimed Iron and Slag
Limit: Shall not exceed 1,157,025 hours per twelve (12) consecutive month period with compliance determined at the end of each month
:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Administrative Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Ic.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465
Facility: Diesel Engines (D-6 and D-7)
Parameter: Diesel Throughput
Limit: Combined diesel throughput shall be limited to less than 125,635 gallons per twelve consecutive month period, with compliance at the end of each month:

QUARTER : _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

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

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

DRAFT

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

Source Name: Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Inc.
Source Address: 3210 Watling Street, East Chicago, Indiana 46312
Part 70 Permit No.: T089-36694-000465

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

Page 1 of 2

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

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

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Fritz Enterprises, Inc.
Source Location:	3001 Dickey Road, East Chicago, IN 46312
County:	Lake
SIC Code:	3312 ((Steel Works, Blast Furnaces (including coke ovens), and Rolling Mills)) 5093 (Scrap and Waste Materials)
Operation Permit No.:	T 089-36694-00465
Operation Permit Issuance Date:	July 22, 2016
Significant Source Modification No.:	089-37275-00465
Significant Permit Modification No.:	089-37365-00465
Permit Reviewer:	Aida DeGuzman

Source Definition

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

	Company Name	Source ID	Operation Description
1	ArcelorMittal USA Inc.	089-00316	Integrated steel mill
2	ArcelorMittal Indiana Harbor LLC	089-00318	Integrated steel mill
	Onsite Contractors		
3	Beemsterboer Slag Corp.	089-00356	Slag crushing and sizing
4	Beemsterboer Slag Corp.	089-00537	Metallurgical coke screening
5	Cokenergy LLC	089-00383	Heated gas steam from coal carbonization
6	Fritz Enterprises, Inc.	089-00465	Iron and steel recycling process and coke screening
7	Harsco Metals Americas	089-00358	Briquetting facility
8	Indiana Harbor Coke Company LP	089-00382	Heat recovery coal carbonization
9	Ironside Energy, LLC	089-00448	Industrial steam and electric power cogeneration
10	Lafarge North America	089-00458	Slag granulator and pelletizer
11	Mid-Continent Coal & Coke	089-00371	Metallurgical coke separation
12	Oil Technology, Inc.	089-00375	Used oil recycling
13	Oil Technology, Inc.	089-00369	Used oil recycling
14	Phoenix Services, LLC	089-00538	Slag and kish processing
15	Phoenix Services, LLC, dba Metal Services LLC	089-00536	Slag and kish processing
16	Tube City IMS	089-00353	Steel slab scarfer
17	Hoosier Pig Services LL	089-00582	Pig iron ingot casting

Fritz Enterprises, Inc. is under the common control of ArcelorMittal USA Inc. These plants are considered one major source, as defined by 326 IAC 2-7-1(22), based on this contractual control. Therefore, the term “source” in the Part 70 documents refers to both ArcelorMittal USA Inc., and Fritz Enterprises, Inc. as one major source.

Separate Part 70 permits have been issued to ArcelorMittal USA Inc., and Fritz Enterprises, Inc. solely for

administrative purposes. This conclusion was initially determined under FESOP Significant Permit Revision (089-17404-00465) on January 13, 2004.

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. 089-36694-00465 on July 22, 2016. There have been no subsequent approvals issued.

County Attainment Status

The source is located in Lake County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O_3	On June 11, 2012, the U.S. EPA designated Lake County nonattainment, for the 8-hour ozone standard. [1][2]
$PM_{2.5}$	Unclassifiable or attainment effective February 6, 2012, for the annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

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

[2]The department has filed a legal challenge to U.S. EPA's designation in 77 FR 34228.

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

(b) $PM_{2.5}$
Lake County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

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

Fugitive Emissions

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

Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Source Status - Existing Source

Process / Emission Unit	PM	PM_{10}	$PM_{2.5}$	SO_2	NO_X	VOC	CO	Single HAP*	Combined HAPs
Total for Source	>100	>100	>100	>100	>100	>100	>100	>10	>25
PSD/Emission Offset Major Levels	100	100	100	100	100	100	100	--	--

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a PSD 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(ff)(1).

(b) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3), because VOC and NOx, nonattainment regulated pollutants, are each emitted at a rate of 100 tons per year or more.

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

(d) These emissions are based upon the primary operation, ArcelorMittal USA LLC emissions since Fritz is part of ArcelorMittal. These emissions are found in the Technical Support Document for ArcelorMittal USA LLC Part 70 Renewal No. T089-29993-00316, issued on December 10, 2012.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by Fritz Enterprises, Inc. on June 6, 2016 relating to the proposed construction of a vertical shaft mill including support equipment. The following is a list of the proposed emission units and pollution control device:

(a) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(b) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(c) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(d) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(e) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

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 Modification at an Existing Source

Pursuant to 326 IAC 2-1.1-1(12), 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 and 326 IAC 2-7-11. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit. If the control equipment has been determined to be integral, the table reflects the PTE after consideration of the integral control device.

Process/Emission Units	PTE Before Controls of the New Emission Units (ton/year)								
	PM	PM_{10}	$PM_{2.5}$	SO2	VOC	NOx	CO	Combined HAPs	Worst Single HAP (Formaldehyde)
Vertical Shaft Mill	5.68	2.52	2.52	0.00	0.00	0.00	0.00	0.00	0.00
Feeder	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00
Conveyors (2)	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00
Vertical Shaft Mill Diesel Generator, D-6	3.85	3.85	3.85	3.59	4.40	54.31	11.70	0.05	0.01
Diesel Generator, D-7	1.30	1.30	1.30	1.21	1.49	18.33	3.95	0.02	0.00
Total Uncontrolled PTE	**17.14**	**9.99**	**9.99**	**4.80**	**5.89**	**72.64**	**15.65**	**0.06**	**0.01**

(a) Approval to Construct

Pursuant to 326 IAC 2-7-10.5(g)(4), a Significant Source Modification is required because this modification has the potential to emit nitrogen oxides (NOx) at greater than or equal to twenty-five (25) tons per year.

(b) Approval to Operate

Pursuant to 326 IAC 2-7-12(d)(1), this change to the permit is being made through a Significant Permit Modification because this modification does not qualify as a Minor Permit Modification or as an Administrative Amendment.

Permit Level Determination – PSD and Emission Offset

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

Process/Emission Unit	Project Emissions (ton/year)						
	PM	PM_{10}	$PM_{2.5}$	SO2	VOC	NOx	CO
Vertical Shaft Mill	5.68	2.52	2.52	0.00	0.00	0.00	0.00
Feeder	3.15	1.16	1.16	0.00	0.00	0.00	0.00
Conveyors (2)	3.15	1.16	1.16	0.00	0.00	0.00	0.00
**Vertical Shaft Mill Diesel Generator, D-6 **Diesel Generator, D-7	2.76	2.76	2.76	2.58	3.16	38.9	8.39
Limited PTE	**14.74**	**7.6**	**7.6**	**2.6**	**3.16**	**39.0**	**8.4**
Significant Levels	25	15	10	40	40	40	100

*$PM_{2.5}$ listed is direct $PM_{2.5}$.
** The source chose the option to treat the two (2) generators as stationary sources or not nonroad engines.

(a) This modification to an existing major PSD and Emission Offset stationary source is not major because the emissions increase of each PSD and Emission Offset regulated pollutant is less than the PSD or Emission Offset significant level. Therefore, pursuant to 326 IAC 2-2, the PSD and 326 IAC 2-3 (Emission Offset) requirements do not apply.

In order to render 326 IAC 2-3, Emission Offset not applicable, the diesel engines, identified as D-6 and D-7 shall be limited as follows:

(1) The combined diesel throughput to vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall be limited to 125,635 gallons per twelve consecutive month period, with compliance at the end of each month.

(2) The NOx emissions from the vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall not exceed 0.62 pound per gallon of diesel, each.

Compliance with these limitations shall limit the NOx emissions from these engines to less than 40 tons per year, and renders the requirements of 326 IAC 2-3, Emission Offset not applicable to this modification.

Federal Rule Applicability Determination

Federal rule applicability for this new source has been reviewed as follows:

New Source Performance Standards (NSPS):

(a) The proposed diesel engines, identified as D-6 and D-7 are subject to the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII), which is incorporated by reference as 326 IAC 12 for stationary CI ICE that commence construction after July 11, 2005, where the stationary RICE are manufactured after April 1, 2006 and are not fire pump engines. The following engines are subject to 40 CFR 60, Subpart IIII:

(1) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(2) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

These engines are subject to the following portions of Subpart IIII:

(1) 40 CFR 60.4200(a)(2)(i), (4)
(2) 40 CFR 60.4204(b)
(3) 40 CFR 60.4205(b)
(4) 40 CFR 60.4206
(5) 40 CFR 60.4207(b)
(6) 40 CFR 60.4208
(7) 40 CFR 60.4209(b)
(8) 40 CFR 60.4211(a) and (c)
(9) 40 CFR 60.4212
(10) 40 CFR 60.4214(c)
(11) 40 CFR 60.4218
(12) 40 CFR 60.4219
(13) Table 8 to Subpart IIII of Part 60 - Applicability of General Provisions to Subpart IIII

(b) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed .modification.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(c) The proposed engines, identified as D-6 and D-7 are subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ and 326 IAC 20-82-1, because these engines are new stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, commencing construction on or after June 12, 2006. The following engines are subject to 40 CFR 63, Subpart ZZZZ:

(1) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(2) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

These engines are subject to the following portions of Subpart:

For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that commenced construction of the stationary RICE on or after June 12, 2006.

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6604(a)
(6) 40 CFR 63.6605
(6) 40 CFR 63.6611 - for engine D-7 only
(7) 40 CFR 63.6615 - for engine D-7 only
(8) 40 CFR 63.6620 -- for engine D-7 only
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(e)
(13) 40 CFR 63.6650(a),(b),and (c)
(14) 40 CFR 63.6655(f)(1)
(15) 40 CFR 63.6660
(16) 40 CFR 63.6665
(17) 40 CFR 63.6670
(18) 40 CFR 63.6675
(19) Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ.

The requirements of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1, apply to the engines D-6 and D-7 except as otherwise specified in 40 CFR 63, Subpart ZZZZ.

(d) There are no other National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed modification.

Compliance Assurance Monitoring (CAM):

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

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

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

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

(b) There are no units in this modification that emits a regulated pollutant at major levels.

In addition, pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.

State Rule Applicability Determination

Due to the modification at this source, state rule applicability has been reviewed as follows:

326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)
PSD and EO applicability are discussed under the Permit Level Determination – PSD and Emissions Offset Section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
Pursuant to 326 IAC 2-4.1-1(b)(2), the requirements of 326 IAC 2-4.1-1 do not apply to a major source specifically regulated, or exempt from regulation, by a standard issued pursuant to Section 112(d), 112(h), or 112(j) of the CAA. The diesel engines, identified as D-6 and D-7 are subject to 40 CFR 63, Subpart ZZZZ, and are therefore exempt.

326 IAC 2-7-6(5) (Annual Compliance Certification)
The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certifications that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from the proposed mobile vertical shaft, identified as V-1, feeder for the vertical shaft, identified as F-4, conveyor belts, identified as C-9 and C-10, and engines D-6 and D-7 shall each be limited to 0.03 grain per dry standard cubic foot of exhaust air.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), this rule does not apply to sources subject to the particulate emission limitation under 326 IAC 6.8, which is more stringent than the limitations in 326 IAC 6-3.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure 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.

(a) The Compliance Determination Requirements applicable to this modification are as follows:

Emission Unit	Control Measures	Frequency
Mobile vertical shaft, identified as V-1,	Wet Suppression	As needed basis to ensure moisture content of slag material is greater than 5 weight percent (%)
Feeder for the vertical shaft, identified as F-4		
Conveyor belts, C-9 and C-10		

(b) The Compliance Monitoring Requirements applicable to this proposed modification are as follows:

Emission Unit	Operating Parameters	Frequency
Mobile vertical shaft, identified as V-1,	Visible Emission Notations	Once per day
Feeder for the vertical shaft, identified as F-4		
Conveyor belts, C-9 and C-10		

The compliance determination and monitoring conditions are necessary to ensure compliance with the Particulate Matter emissions limit required in 326 IAC 6.8-1-2.

Proposed Changes

The following changes listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

(1) Section A.3 and Section D.5 have been modified to incorporate the proposed units. Changes are as follows:

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

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

****

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(1) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(2) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(3) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Descriptions:
****

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(1) One (1) mobile vertical shaft, identified as V-1, used for crushing oversize slag material from the trommel slag screener, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(2) One (1) feeder for the vertical shaft, identified as F-4, approved in 2016 for construction, with a maximum throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(3) Two (2) conveyor belts, identified as C-9 and C-10, with a maximum combined throughput rate of 240 tons per hour, with no control, and exhausting to atmosphere.

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NSPS Subpart IIII, the diesel engines, identified as D-1, D-2, D-4 ~~and~~ D-5, **D-6 and D-7** are considered stationary compression ignition internal combustion engines, constructed after July 11, 2005.

Under NESHAP Subpart ZZZZ, the diesel engines SD-2 and SD-3 D are considered existing compression ignition reciprocating internal combustion engines.

Under NESHAP Subpart ZZZZ, the engines D-1, D-2, D-4 ~~and~~ D-5, **D-6 and D-7** are considered new compression ignition reciprocating internal combustion engines.

(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.5.1 Emission Offset Minor Limit [326 IAC 2-3]

(a) Diesel engines SD-2 and SD-3

Pursuant to Minor Source Modification 089-20905-00465, issued on May 25, 2005, and as revised in Part 70 Operating Permit No. T089-29857-00465, issued on October 11, 2011, and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The total hours of operation of each diesel engine (SD-2 and SD-3) shall not exceed 6,579 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) The total NOx emissions from diesel engines SD-2 and SD-3 shall be less than or equal to an emission rate of 7.595 pounds per hour.

Compliance with D.5.1(a)(1) and (2) shall ensure that the potential to emit of nitrogen oxides (NO_x) for SD-2 and SD-3 (total) remains below less than twenty-five (25) tons per twelve (12) consecutive month period, rendering 326 IAC 2-3 (Emission Offset) not applicable to these units (also known as 2005 modification).

****

(d) Diesel Engines, D-6 and D-7

Pursuant to Significant Source Modification 089-37275-00465 and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(1) The combined diesel throughput to vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall be limited to less than 125,635 gallons per twelve consecutive month period, with compliance at the end of each month.

(2) The NOx emissions from the vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7 shall not exceed 0.62 pound per gallon of diesel, each.

Compliance with these limitations shall limit the NOx emissions from these engines to less than 40 tons per year, and renders the requirements of 326 IAC 2-3, Emission Offset not applicable to this modification.

****

D.5.3 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate matter (PM) emissions from the following shall each be limited to 0.03 grain per dry standard cubic foot of exhaust air

(a) rotary drum screen (trommel) SS-2,
(b) each stacking conveyor belt transfer point,
(c) two (2) diesel engines (SD-2, SD-3),
(d) Terex (Chieftain) screen PS-1,
(e) magnetic conveyor MAG-1,
(f) two (2) diesel engines (D-1, D-2),
(g) Triple deck screening system S-3,
(h) salvage machine S-4,
(i) belt feeder/scalper F-3,
(j) each conveyor transfer point (C6, C7, C8), ~~and~~
(k) two (2) diesel engines (D-4, D-5).
(l) mobile vertical shaft, identified as V-1,
(m) feeder for the vertical shaft, identified as F-4,
(n) conveyor belts, identified as C-9 and C-10, and
(o) two (2) engines D-6 and D-7.

****

D.5.5 PM and PM_{10} Control

In order to comply with Conditions D.5.2 and D.5.3, the Permittee shall use wet suppression at all times to control emissions of PM, PM_{10} and $PM_{2.5}$ from the following:

(i) rotary drum screen (trommel) SS-2,
(ii) each stacking conveyor belt transfer point,
(iii) Terex (Chieftain) screen PS-1,
(iv) magnetic conveyor MAG-1,
(v) Triple deck screening system S-3,
(vi) salvage machine S-4,
(vii) belt feeder/scalper F-3, ~~and~~
(viii) each conveyor transfer point (C6, C7, C8),
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

when these emission units are in operation. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the processed material to ensure the moisture content is greater than 5.0 weight percent (%). The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.5.6 Visible Emissions Notations

(a) Visible emission notations of the exhausts from the following:

(i) rotary drum (trommel) screen,
(ii) Terex (Chieftain) screen PS-1,
(iii) triple deck screener S-3,
(iv) salvage machine S-4,
(v) belt feeder/scalper F-3, ~~and~~
(iv) from each conveyor transfer point
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.5.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.5.1, the Permittee shall maintain records of the combined total hours of operation per month of each of the diesel engines (SD-2 SD-3, D-1, D-2, D-4, D-5).

(b) To document the compliance status with Condition D.5.1(d), the Permittee shall maintain records of the combined diesel throughput to vertical shaft diesel engine, identified as D-6 and diesel engine, identified as D-7.

(~~b~~**c**) To document the compliance status with Condition D.5.2(a)(1), the Permittee shall maintain monthly records of the total slag throughput to the mobile slag screening operation.

(~~c~~**d**) To document the compliance status with Condition D.5.2(b)(1), the Permittee shall maintain monthly records of the total throughput to the re-usable iron and slag reclaim operation.

(~~d~~**e**) To document the compliance status with Conditions D.5.2(a)(3), D.5.2(b)(3), and D.5.5, the Permittee shall maintain records of the chemical analysis of the processed material, as needed.

(~~e~~**f**) To document the compliance status with Condition D.5.6, the Permittee shall maintain once per day records of visible emission notations of the following:
(i) rotary drum (trommel) screen,
(ii) Terex (Chieftain) screen PS-1,
(iii) triple deck screener S-3,
(iv) salvage machine S-4,
(v) belt feeder/scalper F-3, ~~and~~
(vi) from each conveyor transfer point~~.~~**,**
(ix) mobile vertical shaft, identified as V-1,
(x) feeder for the vertical shaft, identified as F-4, and
(xi) conveyor belts, identified as C-9 and C-10

The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (i.e. the process did not operate that day).

(~~f~~**g**) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

****

SECTION E.1 NSPS

Emissions Unit Descriptions:

(f) One (1) mobile slag screening operation, permitted in 2013, consisting of the following:

(2) One (1) diesel engine, identified as D-1, with a rated capacity of 168 horsepower, no control, exhausting to atmosphere.

(3) One (1) diesel engine, identified as D-2, with a rated capacity of 200 horsepower, no control, exhausting to the atmosphere.

(h) One (1) re-usable iron and slag reclaim operation, approved for construction in 2015, including the following:

(6) One (1) diesel engine, identified as D-4, with a rated capacity of 168 horsepower, no control, exhausting to the atmosphere.

(7) One (1) diesel engine, identified as D-5, with a rated capacity of 135 horsepower, no control, exhausting to the atmosphere.

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NSPS Subpart IIII, the diesel engines, identified as D-1, D-2, D-4 ~~and~~ D-5, **D-6 and D-7** are considered stationary compression ignition internal combustion engines, constructed after July 11, 2005.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards under 40 CFR Part 60 [326 IAC 12-1][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for four (4) diesel engines, identified as D-1, D-2, D-4 and D-5, except as otherwise specified in 40 CFR Part 60, Subpart IIII.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports 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

E.1.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR 60, Subpart IIII]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the diesel engines D-1, D-2, D-4, and D-5 as follows:

(1) 40 CFR 60.4200(a)(2)
(2) 40 CFR 60.4204
(3) 40 CFR 60.4205(b)
(4) 40 CFR 60.4206
(5) 40 CFR 60.4207(b)
(6) 40 CFR 60.4209
(7) 40 CFR 60.4211(a) and (c)
(8) 40 CFR 60.4212
(9) 40 CFR 60.4214(c)
(10) 40 CFR 60.4218
(11) 40 CFR 60.4219

(b) The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the diesel engines D-6 and D-7 as follows:

(1) 40 CFR 60.4200(a)(2)(i), (4)
(2) 40 CFR 60.4204(b)
(3) 40 CFR 60.4205(b)
(4) 40 CFR 60.4206
(5) 40 CFR 60.4207(b)
(6) 40 CFR 60.4208
(7) 40 CFR 60.4209(b)
(8) 40 CFR 60.4211(a) and (c)
(9) 40 CFR 60.4212
(10) 40 CFR 60.4214(c)
(11) 40 CFR 60.4218
(12) 40 CFR 60.4219
(13) Table 8 to Subpart IIII of Part 60 - Applicability of General Provisions to IIII

SECTION E.2 NESHAP

Emissions Unit Descriptions:
****

(i) One (1) mobile slag crushing operation, permitted in 2016 for construction, consisting of the following:

(4) One (1) vertical shaft diesel engine, identified as D-6, approved in 2016 for construction, with a maximum rated capacity of 400 horsepower, with no control, and exhausting to atmosphere.

(5) One (1) diesel engine, identified as D-7, approved in 2016 for construction, with a maximum rated capacity of 135 horsepower, with no control, and exhausting to atmosphere.

Under NESHAP Subpart ZZZZ, the diesel engines, identified as SD-1, CD-1, SD-2 and SD-3 are considered existing compression ignition reciprocating internal combustion engines.

Under NESHAP Subpart ZZZZ, the engines D-1, D-2, D-4, ~~and~~ D-5, **D-6 and D-7** are considered new compression ignition reciprocating internal combustion engines.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-82-1 for Stationary Reciprocating Internal Combustion Engines for the ~~diesel engines CD-1, SD-2, SD-3, D-1, D-2, D-4 and D-5~~, **emission units listed above**, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.9, the Permittee shall submit all required notifications

and reports 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

E.2.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR 63, Subpart ZZZZ]

(a) The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ, (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the one (1) non-emergency diesel engine 3512 (SD-1) as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(1)(i)
(3) 40 CFR 63.6595(a)(1) and (c)
(4) 40 CFR 63.6600(d)
(5) 40 CFR 63.6604
(6) 40 CFR 63.6605
(7) 40 CFR 63.6610(a) and (d)
(6) 40 CFR 63.6615
(7) 40 CFR 63.6620
(8) 40 CFR 63.6625(g) and (h)
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(a)(3)
(13) 40 CFR 63.6645(b), (g), and (h)
(14) 40 CFR 63.6650(a), (b), and (c)
(15) 40 CFR 63.6655(a), (d), and (e)
(16) 40 CFR 63.6660
(17) 40 CFR 63.6665
(18) 40 CFR 63.6670
(19) 40 CFR 63.6675
(20) Tables 1a, 1b, 2a, 2b, 2c, 3, 4, 5, 6, 7, and 8 to Subpart ZZZZ (applicable portions)

~~E.2.3 National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR 63, Subpart ZZZZ]~~

(b) The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ, (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the diesel engines CD-1, SD-2 and SD-3, as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(1)(ii)
(3) 40 CFR 63.6595(a)(1) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6612
(7) 40 CFR 63.6615
(7) 40 CFR 63.6620
(8) 40 CFR 63.6625(e) and (h)
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(a)(1)
(13) 40 CFR 63.6645(d), (g), and (h)
(14) 40 CFR 63.6650(a), (b), and (c)

(15) 40 CFR 63.6655(a), (d), and (e)
(16) 40 CFR 63.6660
(17) 40 CFR 63.6665
(18) 40 CFR 63.6670
(19) 40 CFR 63.6675
(20) Tables 2c, 4, 5, 7, and 8 to Subpart ZZZZ (applicable portions)

~~E.2.4 National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR 63, Subpart ZZZZ]~~

(c) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for the diesel engines D-1, D-2, D-4, and D-5 as follows:

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6605
(5) 40 CFR 63.6625(h)
(6) 40 CFR 63.6645(e)
(7) 40 CFR 63.6650(a),(b),and (c)
(8) 40 CFR 63.6655(a), (d), (e),
(9) 40 CFR 63.6660
(10) 40 CFR 63.6665
(11) 40 CFR 63.6670
(12) 40 CFR 63.6675

(d) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for diesel engine D-6 as follows:

For new stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that commenced construction of the stationary RICE on or after June 12, 2006.

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6611
(7) 40 CFR 63.6615
(8) 40 CFR 63.6620
(9) 40 CFR 63.6630
(10) 40 CFR 63.6635
(11) 40 CFR 63.6640(a) and (b)
(12) 40 CFR 63.6645(e)
(13) 40 CFR 63.6650(a),(b),and (c)
(14) 40 CFR 63.6660
(15) 40 CFR 63.6665
(16) 40 CFR 63.6670
(17) 40 CFR 63.6675
(18) Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ (applicable portions)

(e) Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment C to

the operating permit), which are incorporated by reference as 326 IAC 20-82-1 for diesel engine D-7 as follows:

For new stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that commenced construction of the stationary RICE on or after June 12, 2006.

(1) 40 CFR 63.6585(a) and (b)
(2) 40 CFR 63.6590(a)(2)(ii)
(3) 40 CFR 63.6595(a)(5) and (c)
(4) 40 CFR 63.6602
(5) 40 CFR 63.6605
(6) 40 CFR 63.6625(h)
(7) 40 CFR 63.6645(e)
(8) 40 CFR 63.6650(a), (b), and (c)
(9) 40 CFR 63.6655(a)
(10) 40 CFR 63.6660
(11) 40 CFR 63.6665
(12) 40 CFR 63.6670
(13) 40 CFR 63.6675
(14) Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ (applicable portions)

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

Administrative Part 70 Quarterly Report

Source Name: **Fritz Enterprises, Inc. - a contractor of ArcelorMittal USA, Ic.**
Source Address: **3210 Watling Street, East Chicago, Indiana 46312**
Part 70 Permit No.: **T089-36694-000465**
Facility: **Diesel Engines (D-6 and D-7)**
Parameter: **Diesel Throughput**
Limit: **Combined diesel throughput shall be limited to less than 125,635 gallons per twelve consecutive month period, with compliance at the end of each month:**

QUARTER : _____ YEAR: _____

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

☐ **No deviation occurred in this quarter.**

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

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

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on June 6, 2016.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 089-37275-00465. The operation of this proposed modification shall be subject to the conditions of the attached Significant Permit Modification.

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Aida DeGuzman at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-4972 or toll free at 1-800-451-6027, extension 3-4972.

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

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

Appendix A: Emission Calculations
Potential to Emit from the Vertical Shaft Mill (Crusher)

Company Name: Fritz Enterprises Inc.
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
SSM No.: 089-37275-00465
SPM No.: 089--00465
Reviewer: Aida DeGuzman

Operation/Equipment	Uncontrolled Potential to Emit (tons/year)									
	PM	PM_{10}	$PM_{2.5}$	SO2	VOC	NOx	CO	Combined HAPs	Worst Single HAP	
Vertical Shaft Mill	5.68	2.52	2.52	0.00	0.00	0.00	0.00	0.00	0.00	
Feeder	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	
Conveyors (2)	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	
Vertical Shaft Mill Diesel Generator, D-6	3.85	3.85	3.85	3.59	4.40	54.31	11.70	0.05	0.01	Formaldehyde
Diesel Generator, D-7	1.30	1.30	1.30	1.21	1.49	18.33	3.95	0.02	0.00	
Total Uncontrolled PTE	**17.14**	**9.99**	**9.99**	**4.80**	**5.89**	**72.64**	**15.65**	**0.06**	**0.01**	Formaldehyde

Operation/Equipment	Limited Potential to Emit (tons/year)									
	PM	PM_{10}	$PM_{2.5}$	SO2	VOC	NOx	CO	Combined HAPs	Worst Single HAP	
Vertical Shaft Mill	5.68	2.52	2.52	0.00	0.00	0.00	0.00	0.00	0.00	
Feeder	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	
Conveyors (2)	3.15	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	
Vertical Shaft Mill Diesel Generator, D-6										
Diesel Generator, D-7	2.76	2.76	2.76	2.58	3.16	38.9	8.39	0.03	0.01	Formaldehyde
Total Controlled & Limited PTE	**14.75**	**7.60**	**7.60**	**2.58**	**3.16**	**38.9**	**8.39**	**0.03**	**0.01**	

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: Fritz Enterprises Inc.
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
SSM No.: 089-37275-00465
SPM No.: 089--00465
Reviewer: Aida DeGuzman

B. Emissions calculated based on output rating (hp)

Output Horsepower Rating (hp)	400.0	Vertical Mill Generaror, D-6
Maximum Hours Operated per Year	8760	
Potential Throughput (hp-hr/yr)	3,504,000	

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Unlimited PTE in tons/yr	3.85	3.85	3.85	3.59	54.31	4.40	11.70

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	1.14E-02	5.02E-03	3.50E-03	4.80E-04	**1.45E-02**	9.41E-03	1.13E-03	2.06E-03

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Total HAPs PTE (tons/yr)	**4.75E-02**
Worst Single HAP (ton/y	**1.45E-02**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: Fritz Enterprises Inc.
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
SSM No.: 089-37275-00465
SPM No.: 089--00465
Reviewer: Aida DeGuzman

B. Emissions calculated based on output rating (hp)

Output Horsepower Rating (hp)	135.0	diesel generator D-7
Maximum Hours Operated per Year	8760	
Potential Throughput (hp-hr/yr)	1,182,600	

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Unlimited PTE in tons/yr	1.30	1.30	1.30	1.21	18.33	1.49	3.95

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	3.86E-03	1.69E-03	1.18E-03	1.62E-04	**4.88E-03**	3.17E-03	3.83E-04	6.95E-04

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Total HAPs PTE (tons/yr)	**1.60E-02**
Worst Single HAP (ton/y	**4.88E-03**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: Fritz Enterprises Inc.
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
SSM No.: 089-37275-00465
SPM No.: 089--00465
Reviewer: Aida DeGuzman

B. Emissions calculated based on output rating (hp)

400 HP Vert Mill engine + 135 HP generator = 535 HP

Output Horsepower Rating (hp)	287	Limit
Maximum Hours Operated per Year	8760	
Limited Throughput (hp-hr/yr)	2,512,750	

Diesel Throughput Limit (gal/year)	NOx Emission Limit (lb/gal)
125,637	**0.62**

Diesel Limit, gal/yr = 2,512,750 HP x 7,000 Btu/HP-hr x MM/1,000,000 x 1 gal/0.140 MMBtu
NOx Emissions Limit, tons/yr = 0.0310 lb/HP-hr x 140,000 Btu/1 gal x HP-hr/7000 Btu

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Limited PTE in tons/yr	2.76	2.76	2.76	2.58	**39**	3.16	8.39

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	8.21E-03	3.60E-03	2.51E-03	3.44E-04	1.04E-02	6.75E-03	8.14E-04	1.48E-03

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	**3.41E-02**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

Appendix A: Emission Calculations
Potential to Emit from the Vertical Shaft Mill (Crusher)

Company Name: Fritz Enterprises Inc.
Address City IN Zip: 3001 Dickey Road, East Chicago, IN 46312
SSM No.: 089-37275-00465
SPM No.: 089--00465
Reviewer: Aida DeGuzman

Operation/Equipment	Max Throughput (tons/hr)	Uncontrolled Emission Factors (lb/ton)			Controlled Emission Factors (lb/ton)			Uncontrolled Emissions Potential-to-Emit (PTE) (tpy)			Controlled Emissions (tpy)		
		PM	PM_{10}	$PM_{2.5}$	PM	PM_{10}	$PM_{2.5}$	PM	PM_{10}	$PM_{2.5}$	PM	PM_{10}	$PM_{2.5}$
*Vertical Shaft Mill	240	0.0054	0.0024	0.0024	0.0012	0.0005	0.0001	5.68	2.52	2.52	1.26	0.57	0.11
Feeder	240	0.003	0.0011	0.0011	######	5E-05	1E-05	3.15	1.16	1.16	0.15	0.05	0.01
Conveyors (2)	240	0.003	0.0011	0.0011	######	5E-05	1E-05	3.15	1.16	1.16	0.15	0.05	0.01
	TOTAL PTE from Slag Handling							**11.98**	**4.84**	**4.84**	**1.56**	**0.66**	**0.13**

* The vertical shaft mill will crush oversize slag material from the existing trommel slag screener and material output from the mill will be stored in the existing trommel open pile storage. Therefore, there are no additional emissions from the pile storage.
Emission Factors controlled and uncontrolled were taken from AP-42, Table 11.19.2-2

The slag moisture content is 5.0 %, based on the requirement in Condition D.5.3. With moisture content being above 1.5% the material is considered controlled.
Pursuant to AP-42 11.19.2 background information on page 14, moisture content less than 1.5% is considered uncontrolled.

Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

August 12, 2016

Mr. David Splan
Fritz Enterprises, Inc.
1650 West Jefferson
Trenton, MI 48183

Re: Public Notice
Fritz Enterprises, Inc.
Permit Level: Title V Significant Source Modification and Significant Permit Modification
Permit Number: 089-37275-00465 and 089-37365-00465

Dear Mr. Splan:

Enclosed is a copy of your draft Title V Significant Source Modification and Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Post Tribune in Merrillville, Indiana and The Times in Munster, Indiana publish the abbreviated version of the public notice no later than August 17, 2016. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Pastrick Public Library, 1008 West Chicago Avenue in East Chicago, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Aida DeGuzman, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 3-4972 or dial (317) 233-4972.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter 2/17/2016

Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

August 12, 2016

The Post Tribune
1433 E. 83rd Avenue
Merrillville, IN 46410

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Fritz Enterprises, Inc. – a contractor of ArcelorMittal USA, Inc., Lake County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than August 17, 2016.

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

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Title V Significant Source Modification and Significant Permit Modification
Permit Number: 089-37275-00465 and 089-37365-00465

Enclosure
PN Newspaper.dot 8/27/2015

Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

August 12, 2016

The Times
601 West 45th Avenue
Munster, IN 46321

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Fritz Enterprises, Inc. – a contractor of ArcelorMittal USA, Inc., Lake County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than August 17, 2016.

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

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Title V Significant Source Modification and Significant Permit Modification
Permit Number: 089-37275-00465 and 089-37365-00465

Enclosure
PN Newspaper.dot 8/27/2015

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August 12, 2016

To: Pastrick Public Library

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

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

Applicant Name: Fritz Enterprises, Inc. –
A contractor of ArcelorMittal USA, Inc.
Permit Number: 089-37275-00465 and 089-37365-00465

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

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

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

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

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 2/16/2016

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Notice of Public Comment

August 12, 2016
Fritz Enterprises, Inc. – a contractor of ArcelorMittal USA, Inc.
089-37275-00465 and 089-37365-00465

Dear Concerned Citizen(s):

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

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

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

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

Enclosure
PN AAA Cover.dot 2/17/2016

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AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

August 12, 2016

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

Permit Number: **089-37275-00465 and 089-37365-00465**
Applicant Name: **Fritz Enterprises, Inc. – a contractor of ArcelorMittal USA, Inc.**
Location: **East Chicago, Lake County, Indiana**

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

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

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

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

Affected States Notification.dot 2/17/2016

Mail Code 61-53

IDEM Staff	VHAUN 8/12/2016 089-37275 and 37365-00465 DRAFT Fritz Enterprises, Inc. - contractor of ArcelorMittal (316)			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		David W Splan Fritz Enterprises, Inc. - contractor of ArcelorMit 1650 W Jefferson St Trenton MI 48183 (Source CAATS)									
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 *(Local Official)*									
3		East Chicago Public Library 1008 W. Chicago Ave. East Chicago IN 46312 *(Library)*									
4		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 *(Health Department)*									
5		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 *(Affected Party)*									
6		Lowell Town Council and Town Manager PO Box 157, 501 East Main Street Lowell IN 46356 *(Local Official)*									
7		Shawn Sobocinski 1814 Laporte Street Portage IN 46368-1217 *(Affected Party)*									
8		Mr. Dennis Hahney Pipefitters Association, Local Union 597 1461 East Summit St Crown Point IN 46307 *(Affected Party)*									
9		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 *(Affected Party)*									
10		Responsible Official Arcelor Mittal 3210 Watling St. East Chicago IN 46312-1610 *(source - addl contact)*									
11		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 *(Local Official)*									
12		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 *(Affected Party)*									
13		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)									
14		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 *(Affected Party)*									
15		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 *(Affected Party)*									

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

FACSIMILIE OF PS Form 3877

Mail Code 61-53

IDEM Staff	VHAUN 8/12/2016 089-37275 and 37365-00465 DRAFT Fritz Enterprises, Inc. - contractor of ArcelorMittal (316)			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		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
2		Gary City Council 401 Broadway # 209 Gary IN 46402 *(Local Official)*									
3		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 *(Affected Party)*									
4		Mr. Joseph Duckett, PE SNC Lavalin America Inc 6585 Penn Avenue Pittsburgh PA 15206 *(Consultant)*									
5		Ryan Dave 939 Cornwallis Munster IN 46321 *(Affected Party)*									
6		Mark Coleman PO Box 85 Beverly Shores IN 46301-0085 *(Affected Party)*									
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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