



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 16, 2012

RE: Indiana Harbor Coke Co. / 089 - 31755 - 00382

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

## Notice of Decision – Approval

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

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

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

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

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

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

Enclosures  
FNPER-AM.dot12/3/07



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Ki Harmon, Environmental Manager  
Indiana Harbor Coke Company L.P.  
3210 Watling Street, PO Box 240  
East Chicago, Indiana 46312

May 16, 2012

Re: T089-31755-00382  
First Administrative Amendment to  
Part 70 Operating Permit Renewal No.: T089-30043-00382

Dear Ki Harmon,

Indiana Harbor Coke Company, a contractor of ArcelorMittal, was issued a Part 70 Administrative Operating Permit Renewal No. T089-30043-00382, on December 20, 2011, for the operation of a stationary heat recovery coal carbonization facility. A letter requesting changes to the permit was received on April 18, 2012. Indiana Harbor Coke Company has requested a source name change from Indiana Harbor Coke Company to Indiana Harbor Coke Company L.P.

Pursuant to the provisions of 2-7-11(a)(2), the permit is hereby administratively amended to reflect the requested name change. All references to the business name in the operating permit have been updated accordingly. All other conditions of the permit shall remain unchanged and in effect. Please find enclosed the entire revised permit.

The proposed administrative change shall be subject to the conditions of the attached Part 70 Administrative Amendment No. 089-31755-00382. The staff recommends to the Commissioner that the Part 70 Administrative Amendment be approved.

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 Roger Osburn at (800) 451-6027, ask for extension 3-0242 or dial directly: (317) 233-0242.

Sincerely,

Chrystal Wagner, Section Chief  
Permits Branch  
Office of Air Quality

Attachments  
RLO

cc: File -- Lake County  
U.S. EPA, Region V  
Lake County Health Department  
Compliance and Enforcement Branch



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## PART 70 ADMINISTRATIVE OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Indiana Harbor Coke Company L.P.**  
**a contractor of ArcelorMittal**  
**3210 Watling Street**  
**East Chicago, Indiana 46312**

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T089-30043-00382	
Issued by: <i>Original signed by:</i>	Issuance Date: December 20, 2011
Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: December 20, 2016

Administrative Amendment No.: T089-31755-00382	
Issued by: 	Issuance Date: May 16, 2012
Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: December 20, 2016

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**Attachments**

- Attachment A Fugitive Particulate Matter Control Plan, ISPAT INLAND, Inc., Indiana Harbor Works, East Chicago, Indiana (ISPAT INLAND, Inc., Indiana Harbor Works, is now known as ArcelorMittal)
- Attachment B 40 CFR Part 60, Subpart Y - Standards of Performance for Coal Preparation and Processing Plants

Attachment C 40 CFR Part 63, Subpart L - National Emission Standards for Hazardous Air  
Pollutants for Coke Oven Batteries

Attachment D 40 CFR Part 63, Subpart CCCCC - National Emission Standards for Hazardous Air  
Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks

## 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, A.3 through A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

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The Permittee owns and operates a heat recovery coal carbonization facility (HRCC).

Source Address:	3210 Watling Street, East Chicago, Indiana 46312
SIC Code:	3312
County Location:	Lake
Source Location Status:	Nonattainment for PM <sub>2.5</sub>
Source Status:	Part 70 Permit Program Major Source, under PSD and Nonattainment NSR 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)]

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The source includes ArcelorMittal USA, Inc. Plant ID 089-00316, an integrated steel mill, collocated with the following on-site contractors:

- (a) ArcelorMittal USA, Inc. (Plant ID 089-00316), the primary operation, is located at, 3210 Watling Street, East Chicago, Indiana;
- (b) Fritz Enterprises Inc. (Plant ID 089-00465), an on-site contractor (an iron and steel recycling process and a coke screening plant), is located at 3210 Watling Street, East Chicago, Indiana;
- (c) Beemsterboer Slag and Ballast Corp. (Plant ID 089-00356), an on-site contractor (a slag crushing and sizing operation), is located at 3210 Watling Street, East Chicago, Indiana;
- (d) East Chicago Recovery (Plant ID 089-00358), an on-site contractor (a briquetting facility), is located at 3236 Watling Street, East Chicago, Indiana;
- (e) Heckett MultiServ (Plant ID 089-00367), an on-site contractor (a scarfing operation), is located at 3236 Watling Street, East Chicago, Indiana;
- (f) Oil Technology (Plant ID 089-00369), an on-site contractor (a used oil recycling facility), is located at 3236 Watling Street, East Chicago, Indiana;
- (g) Mid Continent Coal and Coke (Plant ID 089-00371), an on-site contractor (a metallurgical coke separation facility), is located at 3236 Watling Street, East Chicago, Indiana;
- (h) Indiana Harbor Coke Company L.P. (Plant ID 089-00382), an on-site contractor (a heat recovery coal carbonization facility), is located at 3210 Watling Street, East Chicago, Indiana 46312;
- (i) Cokenergy LLC (Plant ID 089-00383), an on-site contractor (a heated gas steam from coal carbonization operation), is located at 3210 Watling Street, East Chicago, Indiana;
- (j) LAFARGE North America (Plant ID 089-00458), an on-site contractor (a slag granulator and pelletizer operation), is located at 3210 Watling Street, East Chicago, Indiana; and

- (k) Phoenix Services LLC, dba Metal Services LLC (Plant ID 089-00536), an on-site contactor (a slag and kish processing operation) is located at 3236 Watling Street, East Chicago, Indiana 46312.

Company Name	TV Permit Number
ArcelorMittal USA, Inc.	089-6577-00316
Fritz Enterprises Inc.	089-20315-00465
Beemsterboer Slag and Ballast Corp.	089-6580-00356
East Chicago Recovery	089-6583-00358
Heckett MultiServ	089-6581-00367
Oil Technology, Inc.	089-6579-00369
Mid Continent Coal and Coke	089-6582-00371
Indiana Harbor Coke Company L.P.	089-11311-00382
Cokenergy LLC	089-11135-00383
LAFARGE North America	089-14766-00458
Phoenix Services LLC, dba Metal Services LLC	089-26806-00536

The source includes ArcelorMittal Indiana Harbor, LLC, an integrated steel mill, with the following on-site contractors:

- (a) ArcelorMittal Indiana Harbor, LLC (Plant ID 089-00318), the primary operation, is located at 3001 Dickey Road, East Chicago, Indiana;
- (b) Oil Tech, Inc (Plant ID 089-00375), an on-site contractor (a used oil recycling facility), is located at 3001 Dickey Road, East Chicago, Indiana;
- (c) International Mill Service (Plant ID 089-00353), an on-site contractor (a steel slab scarfer) is located at 3001 Dickey Road, East Chicago, Indiana;
- (d) Edward Levy (Plant ID 089-00339), an on-site contractor (a slag processing facility), is located at 3001 Dickey Road, East Chicago, Indiana;
- (e) Ironside Energy, LLC (Plant ID 089-00448), an on-site contractor (an industrial steam and electric power cogeneration plant), is located at 3001 Dickey Road, East Chicago, Indiana;
- (f) Phoenix Services, LLC (Plant ID 089-00538), an on-site contractor (a slag and kish processing plant), is located at 3001 Dickey Road, East Chicago, Indiana;
- (g) Beemsterboer Slag Corporation (Plant ID 089-00537), an on-site contractor (a metallurgical coke screening plant), is located at 3001 Dickey Road, East Chicago, Indiana; and
- (h) Mid-Continental Coal and Coke (Plant ID 089-00507), an on-site contractor (metallurgical coke screening plant), is located at 3001 Dickey Road, East Chicago, Indiana.

Company Name	TV Permit Number
ArcelorMittal Indiana Harbor, LLC	089-7099-00318
Oil Technology	089-7517-00375
International Mill Service	089-7562-00353
Edward Levy	089-6260-00339
Ironside Energy	089-11557-00448
Phoenix Services, LLC	089-27232-00538
Beemsterboer Slag Corporation	089-27146-00537
Mid-Continental Coal and Coke	089-21801-00507

Separate Part 70 permits have been issued to ArcelorMittal USA, Inc., ArcelorMittal Indiana Harbor, LLC, and each on-site contractor, solely for administrative purposes. The companies may maintain separate reporting and compliance certification.

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

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Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal, consists of the following emission units and pollution control devices:

- (a) One (1) coal thaw shed/rail car dump, identified as ES210, approved in 1998 for construction, with a heat input capacity of 35.2 million Btu per hour and a maximum coal throughput of 6,067.2 tons of dry coal per day, enclosed with emissions controlled by a wet or chemical dust suppressant. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (b) Three (3) enclosed coal transfer towers and coal conveying system with three (3) transfer points, identified as ES211, ES213 and ES214, approved in 1998 for construction, each with a maximum throughput of 6,811 tons of dry coal per day. With the exception of the yard belt conveyor #2, all conveyors running above ground are covered on top and sides such that emissions generated during conveying are directed to the transfer points controlled by a wet or chemical dust suppressant. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (c) One (1) coal storage pile stacking unit, identified as ES212, approved in 1998 for construction, with a maximum capacity of 6,811 tons of dry coal per day, with emissions controlled by a wet or chemical dust suppressant, exhausting directly to the air. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (d) Seven (7) coal storage piles, identified as ES240 through ES245 and ES247, approved in 1998 for storage, with a combined pile acreage of approximately 6.26 acres and a storage capacity of 125,000 tons, all controlled by a wet or chemical dust suppressant, exhausting directly to the air. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (e) One (1) coal crusher and screening station, identified as ES230, approved in 1998 for construction, with a maximum throughput of 6,067.2 tons of dry coal per day, enclosed and controlled by dust suppressant. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (f) One (1) active coal bin, with a storage capacity of 3,000 tons, or an alternate coal bin with a capacity of 2,000 tons, identified as ES246, approved in 1998 for construction, enclosed and controlled by a wet or chemical dust suppressant. An emergency storage pile, located southwest of the coal crusher screening building (ES230), will also be used periodically for

- emergency purposes only. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (g) Two (2) coal weigh belts/diverter gates, identified as ES233 and ES234, approved in 1998 for construction, with a combined maximum throughput of 6,067.2 tons of dry coal per day, each equipped with complete enclosures (except for the belts above the ovens which are not enclosed due to safety reasons) for particulate control, and exhausting to atmosphere. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (h) Two (2) coal silos, identified as ES231 and ES232, approved in 1998 for construction, each with a storage capacity of 13,600 cubic feet, each enclosed, and exhausting to atmosphere. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (i) Four (4) coke oven charging/pushing units, identified as ES202 ES202B, ES203, and ES203D, each having a maximum capacity of 2,794.5 tons of dry coal per day for charging and 2,013.7 tons of coke per day for pushing. ES202 and ES202B shall be used interchangeably with respect to "A" and "B" batteries, provided that any time only one of these units shall be in use. ES203 and ES203D shall be used interchangeably with respect to "C" and "D" batteries, provided that any time only one of these units shall be in use. During charging each unit has emissions captured by a hood and controlled by one (1) baghouse, each exhausting through one (1) stack, and each identified as 202, 202B, 203 and 203D, respectively. During pushing all units have emissions captured in a shed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 204. [Under 40 CFR 63, Subpart CCCCC, these are considered existing affected sources.]
- (j) Two hundred sixty-eight (268) nonrecovery coke ovens, identified as ES201, distributed in four batteries identified as A, B, C and D, with a maximum capacity of 5,589.0 tons of dry coal per day, heated by recirculating combusted gas, under constant negative pressure, with emissions controlled by one (1) lime spray dryer desulfurization unit and one (1) baghouse, with waste gas emissions exhausting through one (1) main stack, identified as 201 and occasionally through some of the sixteen (16) vent stacks distributed over 4 batteries. Cokenergy LLC (Permit No. 089-11135-00383) is responsible for SO<sub>2</sub>, PM<sub>10</sub> and TSP emissions from the lime spray dryer desulfurization unit and baghouse. There is a continuous emissions monitoring (CEMs) for SO<sub>2</sub> installed on stack 201, which is controlled by Cokenergy LLC. [Under 40 CFR 63, Subpart L, this is considered an existing affected source] [Under 40 CFR 63, Subpart CCCCC, this is considered an existing affected source.]
- (k) Two (2) quench towers, identified as ES206 and ES207, each with a maximum capacity of 2,013.7 tons of dry coke per day, used for quenching coke by spraying water from Lake Michigan, quench tower recycle, non-contact charging coke by spraying water from Lake Michigan, quench tower recycle, non-contact charging unit cooling water, non-contact blowdown water from the sixteen (16) heat exchangers, and clean-up water for charging unit within enclosed tower, each controlled by baffles, each exhausting through one (1) stack, identified as 206 and 207, respectively. [Under 40 CFR 63, Subpart CCCCC, these are considered existing affected sources.]
- (l) Three (3) coke transfer towers and coke conveying system with nine (9) transfer points, approved in 1998 for construction, with each tower having a maximum throughput of 4,020 tons of dry coke per day, all conveyors running above ground are covered, and all transfer points are enclosed within the towers, and consisting of the following:
- (1) One (1) Coke transfer tower No. 1, with three (3) transfer points, identified as ES260, ES261, and ES262.
  - (2) One (1) Coke transfer tower No. 2, with four (4) transfer points, identified as ES263, ES264, ES263A, and ES264A.

- (3) One (1) Coke transfer tower No. 3, with two (2) transfer points, identified as ES266 and ES267.
- (m) One (1) run of oven coke storage pile, identified as ES280, approved in 1998 for storage, with a pile acreage of approximately 3.0 acres and a storage capacity of 4,500 tons, with emissions controlled by a wet dust suppressant as needed, exhausting directly to the air.
- (n) One (1) coke conveying to the coke crusher and screening station, identified as ES301, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, partially enclosed and exhausting to atmosphere.
- (o) One (1) coke crusher and screening station, identified as ES265, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 265.
- (p) One (1) coke transfer tower No. 4, identified as ES265A, approved for construction in 1998, associated with the coke crusher and screening station, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and exhausting to atmosphere.
- (q) One (1) coke fines storage pile, identified as ES281, approved in 1998 for storage, with a pile acreage of approximately 0.21 acres and a storage capacity of 450 tons, with emissions controlled by a wet dust suppressant as needed, exhausting directly to the air.
- (r) One (1) rail car coke loadout station, identified as ES250, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, controlled by a wet dust suppressant as needed, exhausting directly to the air.
- (s) One (1) coke transfer tower No. 5, identified as ES250A, approved for construction in 1998, associated with the rail car coke loadout station, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and exhausting to atmosphere.
- (t) Paved roads and parking lots controlled by periodic washing and unpaved roads controlled by watering.

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

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Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal, also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. [326 IAC 8-9-1]
- (b) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons. [326 IAC 8-9-1]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5] [326 IAC 8-3-8]
- (d) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2]

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
  
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION B

## GENERAL CONDITIONS

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

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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)]

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- (a) This permit, T089-30043-00382, 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]

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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]

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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)]

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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)]

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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)]

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- (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)]

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- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
  - (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and

- (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

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

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- (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(34).

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

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- (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(34).

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(34).
- (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]**

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

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

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

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

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
  - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(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]**

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- (a) All terms and conditions of permits established prior to T089-30043-00382 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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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]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]  
The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30)

days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

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- (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]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
  - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
  - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
  - (4) The Permittee notifies the:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
and  
  
United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590  
  
in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
  - (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.  
  
Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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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]**

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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]**

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

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

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

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

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

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- (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]**

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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 (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<sub>10</sub> 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<sub>10</sub> stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
  - (5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (j) Material transfer limits shall be as follows:
  - (1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
  - (2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.
  - (3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:
    - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.
    - (B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:
- Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

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

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

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

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

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

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

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

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

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- (a) Pursuant to 326 IAC 326 IAC 6.8-8-1, the Permittee shall submit to IDEM and maintain at source a copy of the Continuous Compliance Plan (CCP). The Permittee shall perform the inspections, monitoring and record keeping in accordance with the information in 326 IAC 6.8-8-5 through 326 IAC 6.8-8-7 or applicable procedures in the CCP.
- (b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy of any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP, if required to IDEM, OAQ within thirty (30) days of the update.
- (c) Pursuant to 326 IAC 6.8-8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit update to a CCP is a violation of 326 IAC 6.8-8.

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

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

**C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**  
Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

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- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]**

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

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

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

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

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

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

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

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

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

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

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

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

The statement must be submitted to:

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

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

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

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance 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 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
  - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
      - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
- (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) 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 (qq) and/or 326 IAC 2-3-1 (II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record

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

Reports required in this part shall be submitted to:

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

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

### **Stratospheric Ozone Protection**

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

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

**SECTION D.1**

**FACILITY OPERATION CONDITIONS**

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

- (a) One (1) coal thaw shed/rail car dump, identified as ES210, approved in 1998 for construction, with a heat input capacity of 35.2 million Btu per hour and a maximum coal throughput of 6,067.2 tons of dry coal per day, enclosed with emissions controlled by a wet or chemical dust suppressant.
- (b) Three (3) enclosed coal transfer towers and coal conveying system with three (3) transfer points, identified as ES211, ES213 and ES214, approved in 1998 for construction, each with a maximum throughput of 6,811 tons of dry coal per day. With the exception of the yard belt conveyor #2, all conveyors running above ground are covered on top and sides such that emissions generated during conveying are directed to the transfer points controlled by a wet or chemical dust suppressant.
- (c) One (1) coal storage pile stacking unit, identified as ES212, approved in 1998 for construction, with a maximum capacity of 6,811 tons of dry coal per day, with emissions controlled by a wet or chemical dust suppressant, exhausting directly to the air.
- (d) Seven (7) coal storage piles, identified as ES240 through ES245 and ES247, approved in 1998 for storage, with a combined pile acreage of approximately 6.26 acres and a storage capacity of 125,000 tons, all controlled by a wet or chemical dust suppressant, exhausting directly to the air.
- (e) One (1) coal crusher and screening station, identified as ES230, approved in 1998 for construction, with a maximum throughput of 6,067.2 tons of dry coal per day, enclosed and controlled by dust suppressant.
- (f) One (1) active coal bin, with a storage capacity of 3,000 tons, or an alternate coal bin with a capacity of 2,000 tons, identified as ES246, approved in 1998 for construction, enclosed and controlled by a wet or chemical dust suppressant. An emergency storage pile, located southwest of the coal crusher screening building (ES230), will also be used periodically for emergency purposes only.
- (g) Two (2) coal weigh belts/diverter gates, identified as ES233 and ES234, approved in 1998 for construction, with a combined maximum throughput of 6,067.2 tons of dry coal per day, each equipped with complete enclosures (except for the belts above the ovens which are not enclosed due to safety reasons) for particulate control, and exhausting to atmosphere.
- (h) Two (2) coal silos, identified as ES231 and ES232, approved in 1998 for construction, each with a storage capacity of 13,600 cubic feet, each enclosed, and exhausting to atmosphere.
- (i) Four (4) coke oven charging/pushing units, identified as ES202 ES202B, ES203, and ES203D, each having a maximum capacity of 2,794.5 tons of dry coal per day for charging and 2,013.7 tons of coke per day for pushing. ES202 and ES202B shall be used interchangeably with respect to "A" and "B" batteries, provided that any time only one of these units shall be in use. ES203 and ES203D shall be used interchangeably with respect to "C" and "D" batteries, provided that any time only one of these units shall be in use. During charging each unit has emissions captured by a hood and controlled by one (1) baghouse, each exhausting through one (1) stack, and each identified as 202, 202B, 203 and 203D, respectively. During pushing all units have emissions captured in a shed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 204.

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- (j) Two hundred sixty-eight (268) nonrecovery coke ovens, identified as ES201, distributed in four batteries identified as A, B, C and D, with a maximum capacity of 5,589.0 tons of dry coal per day, heated by recirculating combusted gas, under constant negative pressure, with emissions controlled by one (1) lime spray dryer desulfurization unit and one (1) baghouse, with waste gas emissions exhausting through one (1) main stack, identified as 201 and occasionally through some of the sixteen (16) vent stacks distributed over 4 batteries. Cokenergy LLC (Permit No. 089-11135-00383) is responsible for SO<sub>2</sub>, PM<sub>10</sub> and TSP emissions from the lime spray dryer desulfurization unit and baghouse. There is a continuous emissions monitoring (CEMs) for SO<sub>2</sub> installed on stack 201, which is controlled by Cokenergy LLC.
- (k) Two (2) quench towers, identified as ES206 and ES207, each with a maximum capacity of 2,013.7 tons of dry coke per day, used for quenching coke by spraying water from Lake Michigan, quench tower recycle, non-contact charging unit cooling water, non-contact blowdown water from the sixteen (16) heat exchangers, and clean-up water for charging unit within enclosed tower, each controlled by baffles, each exhausting through one (1) stack, identified as 206 and 207, respectively.
- (l) Three (3) coke transfer towers and coke conveying system with nine (9) transfer points, approved in 1998 for construction, with each tower having a maximum throughput of 4,020 tons of dry coke per day, all conveyors running above ground are covered, and all transfer points are enclosed within the towers, and consisting of the following:
  - (1) One (1) Coke transfer tower No. 1, with three (3) transfer points, identified as ES260, ES261, and ES262.
  - (2) One (1) Coke transfer tower No. 2, with four (4) transfer points, identified as ES263, ES264, ES263A, and ES264A.
  - (3) One (1) Coke transfer tower No. 3, with two (2) transfer points, identified as ES266 and ES267.
- (m) One (1) run of oven coke storage pile, identified as ES280, approved in 1998 for storage, with a pile acreage of approximately 3.0 acres and a storage capacity of 4,500 tons, with emissions controlled by a wet dust suppressant as needed, exhausting directly to the air.
- (n) One (1) coke conveying to the coke crusher and screening station, identified as ES301, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, partially enclosed and exhausting to atmosphere.
- (o) One (1) coke crusher and screening station, identified as ES265, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 265.
- (p) One (1) coke transfer tower No. 4, identified as ES265A, approved for construction in 1998, associated with the coke crusher and screening station, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and exhausting to atmosphere.
- (q) One (1) coke fines storage pile, identified as ES281, approved in 1998 for storage, with a pile acreage of approximately 0.21 acres and a storage capacity of 450 tons, with emissions controlled by a wet dust suppressant as needed, exhausting directly to the air.
- (r) One (1) rail car coke loadout station, identified as ES250, approved in 1998 for construction, with a maximum throughput of 4,020 tons of dry coke per day, controlled by a wet dust suppressant as needed, exhausting directly to the air.

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- (s) One (1) coke transfer tower No. 5, identified as ES250A, approved for construction in 1998, associated with the rail car coke loadout station, with a maximum throughput of 4,020 tons of dry coke per day, enclosed and exhausting to atmosphere.
- (t) Paved roads and parking lots controlled by periodic washing and unpaved roads controlled by watering.

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

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

### **D.1.1 Nonattainment Area Particulate Limitations [326 IAC 6.8-1-2]**

Pursuant to 326 IAC 6.8-1-2 (Nonattainment Area Particulate Limitations), the particulate matter emissions from the HRCC waste gas stack (Stack ID 201) and 16 vent stacks, the HRCC charging unit stacks (Stack IDs 202, 202B, 203 and 203D), the HRCC pushing stack (Stack ID 204), the quench towers stacks (Stack IDs 206 and 207), the openings at the east and west coal silos (231 and 232), the openings at the coke transfer towers for conveyors, the coke crusher and screening station baghouse (Stack ID 265), and shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). Compliance with this limit will be determined through a weighted average of the gases exhausted from the vent stack(s) and main stack.

### **D.1.2 Prevention of Significant Deterioration (PSD) and Emission Offset Minor Source Limits [326 IAC 2-2] [326 IAC 2-3]**

Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, in order to make the requirements of 326 IAC 2-2 and 326 IAC 2-3 not applicable, the amount of dry coal processed through the nonrecovery coke oven facility shall be limited to less than or equal to 2,040,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

### **D.1.3 Emission Offset VOC Minor Limits [326 IAC 2-3]**

The VOC emissions shall be limited, in order to make the requirements of 326 IAC 2-3 not applicable, as follows:

- (a) Pursuant to Significant Modification 089-14241-00382 issued on November 30, 2001, and 326 IAC 2-3, the HRCC waste gas stack (Stack ID 201) and 16 vent stacks shall be limited to 2.28 pounds per hour, averaged over a 24 hour period,
- (b) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, and 326 IAC 2-3, the HRCC charging unit stacks (Stack IDs 202, 202B, 203 and 203D) shall be limited to 0.000032 pounds per ton of dry coal charged,
- (c) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, and 326 IAC 2-3, the HRCC pushing stack (Stack ID 204) shall be limited to 0.000076 pounds per ton of dry coal charged, and
- (d) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, and 326 IAC 2-3, the quench towers stacks (Stack IDs 206 and 207) shall be limited to 0.001 pounds per ton of dry coal charged.

### **D.1.4 Prevention of Significant Deterioration (PSD) Lead Minor Limitations [326 IAC 2-2]**

The lead emissions from the coke oven facility shall be limited, in order to make the requirements of 326 IAC 2-2 not applicable, as follows:

- (a) Pursuant to Significant Modification 089-14241-00382 issued on November 30, 2001, the HRCC waste gas stack (Stack ID 201) and 16 vent stacks shall be limited to 0.19 pounds per hour, averaged over a six (6) hour period,
- (b) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998 as amended by 089-11485 issued on October 28, 1999, and 326 IAC 2-2, the HRCC charging unit stacks (Stack IDs 202, 202B, 203 and 203D) shall be limited to 0.000012 pounds per ton of dry coal charged,
- (c) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998 as amended by 089-11485 issued on October 28, 1999, and 326 IAC 2-2, the HRCC pushing stack (Stack ID 204) shall be limited to 0.0000285 pounds per ton of dry coal charged, and
- (d) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998 as amended by 089-11485 issued on October 28, 1999, and 326 IAC 2-2, the quench towers stacks (Stack IDs 206 and 207) shall be limited to 0.0 pounds per ton of dry coal charged.

D.1.5 Emission Offset Particulate Matter (PM and PM<sub>10</sub>) Minor Limits [326 IAC 2-3]

- (a) Pursuant to construction permit 089-9236-00382 (issued February 26, 1998), and as revised by Part 70 Operating Renewal Permit 089-30043-00382, in order to make the requirements of 326 IAC 2-3 not applicable, particulate matter (PM) (where PM includes filterable components) emissions from the coal and coke handling equipment and vent stacks shall be limited as follows:
  - (1) The coal rail car dump (Stack ID 210) shall be limited to 0.01 pounds per hour, averaged over a 24 hour period.
  - (2) The coal transfer towers transfer points, identified as ES211, ES213, and ES214, shall each be limited to 0.05 pound per kton of coal throughput.
  - (3) The coal pile stacking unit, identified as ES212, shall be limited to 0.505 pound per kton of coal throughput.
  - (4) The active coal bin, identified as ES246, shall be limited to 0.05 pound per kton of coal throughput.
  - (5) The coal crusher and screening station, identified as ES230, shall be limited to 3.25 lb/kton of coal throughput.
  - (6) The east coal silo, identified as ES231, the west coal silo, identified as ES232, and the coal weigh belts/diverter gates, identified as ES233 and ES234, shall each be limited to 0.05 pound per kton of coal throughput.
  - (7) The coke transfer towers coke transfer points, identified as ES260, ES261, ES263, ES264, ES266, ES263A and ES264A, shall each be limited to 0.094 pound per kton of coke throughput.
  - (8) The coke transfer towers transfer points, identified as ES262 and ES267, shall each be limited to 0.281 pound per kton of coke throughput.
  - (9) The coke crusher and screening station (Stack ID 265) shall be limited to 1.34 pounds per hour.
  - (10) The rail car coke loadout station, identified as ES250, shall be limited to 0.937 pound per kton of coke throughput.
  - (11) The coke transfer towers No. 4 and No. 5, identified as ES265A and ES250A, shall each be limited to 0.094 lb per kton of coke throughput.

- (b) Pursuant to Significant Modification 089-14241-00382 issued on November 30, 2001, each vent stack shall be limited to 11.875 lb/hour (both filterable and condensable), averaged over a 24 hour period, and
- (c) Pursuant to Significant Modification 089-14241-00382 issued on November 30, 2001, combined PM from the 16 vent stacks shall be limited to 36.1 lb/hour (both filterable and condensable), averaged over a 24 hour period. This is equivalent to exhaust waste gases being vented from the coke ovens from 19% of vent stacks in a 24 hour period.
- (d) Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, particulate matter (PM) emissions from each HRCC charging stack (Stack IDs 202, 202B, 203 and 203D) shall be limited to 0.0081 pounds per ton of dry coal charged.

#### D.1.6 Particulate Matter [326 IAC 6.8-9-1]

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- (a) Each coke battery shall comply with the following applicable requirements contained in 326 IAC 6.8-9-1:
  - (1) Pursuant to 326 IAC 6.8-9-3(C), the particulate emissions from the pushing shed stack (Stack ID 204) shall not exceed 0.04 pounds per ton of coke pushed. Compliance with this emission limit shall be determined by 40 CFR 60, Appendix A, Method 5.
  - (2) Pursuant to 326 IAC 6.8-9-3(2) and construction permit 089-9236-00382 issued on February 26, 1998, charging emissions which escape the oven door shall be minimized by collecting in a mobile hood, which is connected to the charging/pushing unit, and exhausting through the charging stacks (Stack IDs 202, 202B, 203 and 203D).
  - (3) Pursuant to 326 IAC 6.8-9-3(6) and construction permit 089-9236-00382 issued on February 26, 1998, no visible emissions shall be permitted from the waste gas common duct or its associated piping.
- (b) Pursuant to construction permit 089-9236-00382 (issued February 26, 1998), pushing emissions which escape the cokeside oven door shall be minimized by collecting in a stationary shed, which runs the length of the coke oven battery, and exhausted through the pusher stack (Stack ID 204).
  - (1) Visible emissions escaping the shed shall not exceed an average of twenty percent (20%) over a three (3) minute time period. Compliance with this limit shall satisfy the requirement of 326 IAC 6.8-9-3(B).
- (c) Pursuant to construction permit 089-9236-00382 (issued February 26, 1998), the water used in the quenching process shall come only from surface water, specifically Lake Michigan, quench tower recycle water, non-contact charging unit cooling water, non-contact blowdown water from the sixteen (16) heat exchangers and clean-up water for charging unit surface water. The total dissolved solids (TDS) shall not exceed an average of 1,100 milligrams per liter and the quench tower baffles shall cover 95% or more of the cross sectional area of the exhaust to ensure particulate emissions do not exceed 0.43 pounds per ton of coal.

#### D.1.7 NO<sub>x</sub> Limit

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Pursuant to Significant Modification 089-14241-00382 (issued November 30, 2001), the combined NO<sub>x</sub> emissions from the main stack (Stack ID 201) and 16 vent stacks shall not exceed 304.7 pounds per hour, averaged over a 24 hour period.

**D.1.8 Prevention of Significant Deterioration (PSD) and Emission Offset Work Practice Requirements [326 IAC 2-2] [326 IAC 2-3]**

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Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, 326 IAC 2-2 and 326 IAC 2-3, the sixteen (16) heat exchangers shall not utilize waste gas from the coke ovens as a combustion source to produce steam for the steam generators.

**D.1.9 Sulfur Dioxide Limit [326 IAC 7-4.1-8]**

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Pursuant to 326 IAC 7-4.1-8:

- (a) IHCC (Indiana Harbor Coke Company L.P.), Source ID # 382, shall comply with the sulfur dioxide emission limits in pounds per ton, pounds per hour and other requirements as follows:
- (1) IHCC Coal Carbonization charging shall be limited to 0.0069 lb/ton each and 1.57 lb/hr total
  - (2) IHCC Coal Carbonization pushing shall be limited to 0.0084 lb/ton and 1.96 lb/hr
  - (3) IHCC Coal Carbonization quenching shall be limited to 0.0053 lb/ton and 1.322 lb/hr total
  - (4) IHCC Coal Carbonization thaw shed shall be limited to 0.0006 lb/1,000 cubic feet natural gas
  - (5) IHCC Vent Stacks (16 total) in combination with Cokenergy LLC's heat recovery coke carbonization was gas stack identified as Stack ID 201 shall be limited to 1,656 lbs/hr total for a 24 hour average
- (b) The coke ovens shall recycle the gases emitted during the coking process and utilize it as the only fuel source for the ovens during normal operations. The gases shall not be routed directly to the atmosphere unless they first pass through the common tunnel afterburner. A maximum of nineteen percent (19%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere on a twenty-four (24) hour basis and fourteen percent (14%) on an annual basis.

**D.1.10 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

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

**Compliance Determination Requirements**

**D.1.11 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]**

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- (a) In order to demonstrate compliance with Condition D.1.5(c), the Permittee shall perform PM and PM<sub>10</sub> testing of a representative number of the sixteen vent stacks, using methods as approved by the Commissioner, at least once every five (5) years from the date of the most recent valid compliance demonstration. Pursuant to Significant Modification 089-14241-00382, the PM limits for the main stack, vent stacks and charging operations include both filterable and condensable particulate matter. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (b) In order to demonstrate compliance with Condition D.1.7, the Permittee and Cokenergy LLC shall perform NO<sub>x</sub> testing on the HRCC waste gas main stack (stack ID 201) using methods as approved by the Commissioner, at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

- (c) In order to demonstrate compliance with Condition D.1.9, the Permittee shall perform SO<sub>2</sub> testing of four (4) of the sixteen vent stacks, using methods as approved by the Commissioner, by combining SO<sub>2</sub> emissions from vent stacks with the SO<sub>2</sub> emissions from the main stack (stack ID 201). Testing shall be conducted at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

#### D.1.12 Particulate Control [326 IAC 2-7-6(6)]

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Pursuant to construction permit 089-9236-00382 issued on February 26, 1998:

- (a) The baghouses for the charging and pushing equipment (Stack IDs 202 through 204) shall be operated at all times when its associated process is in operation, except during times of required facility maintenance as long as PM emission limits found in conditions D.1.5 and D.1.6 are not exceeded. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the facility maintenance required by this condition.
- (b) The charging unit baghouses (Stack IDs 202, 202B, 203 and 203D) shall be operated within the pressure drop ranges in the work practice plan. The fans associated with these baghouses shall be operated at minimum fan amperage in the work practice plan. In addition, oven damper adjustments shall be made to maximize oven draft during charging operations. Monitoring of these parameters shall be performed during charging to assure that the systems are working correctly and at design capacity. These procedures shall be documented in the Permittee's Work Practice Plan as required by 40 CFR 63.306. These procedures along with the requirements established in D.1.6 shall satisfy the requirements of 326 IAC 6.8-9-3(c)(2) (formerly 326 IAC 6-1-10.2(c)(2)).
- (c) The shed for collecting pushing emissions shall be visually examined weekly for areas potentially needing repair. The pushing unit baghouse (Stack ID 204) shall be operated within the pressure drop range in the work practice plan. The fan associated with the baghouse shall be operated at minimum fan amperage in the work practice plan. In addition, adjustments shall be made to oven dampers closest to the oven being pushed to maximize oven draft during pushing operations. Monitoring of these parameters shall be performed during pushing to assure that the systems are working correctly and at design capacity. These procedures shall be documented in the Permittee's Work Practice Plan as required by 40 CFR 63.306.
- (d) 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 or replaced. 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.

#### D.1.13 Duct Temperature

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Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, the Permittee shall operate and maintain common duct temperatures in a range of 1200-2400 degrees Fahrenheit.

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

#### D.1.14 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

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- (a) Visible emission notations of the coal and coke handling conveyors, transfer points, and coke tower openings (ES231 through ES234, ES260 through 264, ES266, ES267) 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. Section C-Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps in shall be considered a deviation from this permit.

D.1.15 Parametric Monitoring [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

The Permittee shall record the pressure drop across the baghouses for ES202 through ES204 and ES265 at least once per day when units ES202 through ES204 and ES265 are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 - 8.0 inches of water, the Permittee shall take reasonable response. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. 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 or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.

D.1.16 Broken or Failed Bag Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

For a single compartment baghouse 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).

D.1.17 Duct Temperature Monitoring [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

The temperature of the common tunnel duct shall be monitored at least once per day. When for any one reading, the temperature of the common tunnel duct is outside the normal range of 1200-2400 degrees Fahrenheit, the Permittee shall take reasonable response Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A reading that is outside the range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

D.1.18 Emission Tracking Program

Pursuant to Significant Modification 089-14241-00382 issued on November 30, 2001, an emission tracking program that quantifies the combined emissions of SO<sub>2</sub> and of PM (filterable and condensable) from the coke oven waste gas main stack (stack 201) and the 16 vent stacks shall be maintained. This program shall also track the percentage of waste gas vented. Information calculated by this program shall be made available to Cokenergy LLC.

D.1.19 Quench Tower Water Testing

Pursuant to construction permit 089-9236-00382 issued on February 26, 1998, the Permittee shall perform tests of total dissolved solids (TDS) in the quench water on a weekly basis. When for any one reading the TDS exceeds the amount stated in D.1.6(c), the Permittee shall take reasonable response Section C- Response to Excursions or Exceedances contains the Permittee's obligation

with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

### **Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.1.20 Record Keeping Requirements**

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- (a) In order to document the compliance status with Condition D.1.14, the Permittee shall maintain records of visible emission notations of the coal and coke handling conveyors, transfer points, and coke tower openings (ES231 through ES234, ES260 through 264, ES266, ES267) at least once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) In order to document the compliance status with condition D.1.15, the Permittee shall maintain records of the pressure drop across the baghouses once per day, 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 the reading (e.g. the process did not operate that day).
- (c) In order to document the compliance status with Condition D.1.2, the Permittee shall maintain records of the tons of coal charged per month.
- (d) In order to document the compliance status with Condition D.1.6 (c) and D.1.19, the Permittee shall maintain records of the total dissolved solids in the quench water as determined by the test protocol required in Condition D.1.19.
- (e) In order to document the compliance status with Condition D.1.17, the Permittee shall maintain records of the temperature of the common tunnel ducts once per day. The Permittee shall include in its once per day record when a temperature notation is not taken and the reason for the lack of temperature notation (e.g. the process did not operate that day).
- (f) In order to document the compliance status with Condition D.1.18, the Permittee shall maintain records that quantifies the combined emissions of SO<sub>2</sub> and of PM (filterable and condensable) from the coke oven waste gas main stack (stack 201) and the 16 vent stacks.
- (g) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.

#### **D.1.21 Reporting Requirements**

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A quarterly summary of the information to document the compliance status with condition D.1.2 and D.1.20(c) shall be submitted not later than thirty (30) calendar days after the end of each calendar quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligation with to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

**SECTION D.2**

**FACILITY OPERATION CONDITIONS**

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

Insignificant Activities:

- (a) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. [326 IAC 8-9-1]
- (b) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons. [326 IAC 8-9-1]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5] [326 IAC 8-3-8]
- (d) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2]

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

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

**D.2.1 Nonattainment Area Particulate Limitations [326 IAC 6.8-1-2]**

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2) (Nonattainment Area Particulate Limitations), the particulate matter emissions from the brazing equipment, cutting torches, soldering equipment and welding equipment shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

**D.2.2 Volatile Organic Liquid Storage Vessels [326 IAC 8-9-1]**

Pursuant to 326 IAC 8-9-1, the Permittee is required to keep records of the information in 326 IAC 8-9-6(a)-(b) for all storage vessels.

**D.2.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]**

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations built after January 1, 1980, located in Lake County and which have potential emissions of one hundred (100) tons per year or greater of VOC, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### D.2.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

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Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs built after July 1, 1990, located in Lake County, the Permittee shall ensure that the following requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
  - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
  - (B) The solvent is agitated; or
  - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
  - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
  - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

#### D.2.5 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

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

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

#### **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

#### D.2.6 Record Keeping Requirements

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- (a) Pursuant to 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels), the Permittee must keep records of the following:

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

Records shall be maintained for the life of the vessel.

- (b) Pursuant to 326 IAC 8-3-8 (Material requirements for Cold Cleaning Degreasers), on and after November 1, 1999, the Permittee shall maintain each of the following records for each purchase:

- (1) The name and address of the solvent supplier.
- (2) The date of purchase.
- (3) The type of solvent.
- (4) The volume of each unit of solvent.
- (5) The total volume of the solvent.
- (6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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

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

## SECTION E.1

## FACILITY OPERATION CONDITIONS

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

- (a) One (1) coal thaw shed/rail car dump, identified as ES210, approved in 1998 for construction, with a heat input capacity of 35.2 million Btu per hour and a maximum coal throughput of 6,067.2 tons of dry coal per day, enclosed with emissions controlled by a wet or chemical dust suppressant. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (b) Three (3) enclosed coal transfer towers and coal conveying system with three (3) transfer points, identified as ES211, ES213 and ES214, approved in 1998 for construction, each with a maximum throughput of 6,811 tons of dry coal per day. With the exception of the yard belt conveyor #2, all conveyors running above ground are covered on top and sides such that emissions generated during conveying are directed to the transfer points controlled by a wet or chemical dust suppressant. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (c) One (1) coal storage pile stacking unit, identified as ES212, approved in 1998 for construction, with a maximum capacity of 6,811 tons of dry coal per day, with emissions controlled by a wet or chemical dust suppressant, exhausting directly to the air. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (d) Seven (7) coal storage piles, identified as ES240 through ES245 and ES247, approved in 1998 for storage, with a combined pile acreage of approximately 6.26 acres and a storage capacity of 125,000 tons, all controlled by a wet or chemical dust suppressant, exhausting directly to the air. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (e) One (1) coal crusher and screening station, identified as ES230, approved in 1998 for construction, with a maximum throughput of 6,067.2 tons of dry coal per day, enclosed and controlled by dust suppressant. [Under 40 CFR 60, Subpart Y, this is considered an affected facility.]
- (f) One (1) active coal bin, with a storage capacity of 3,000 tons, or an alternate coal bin with a capacity of 2,000 tons, identified as ES246, approved in 1998 for construction, enclosed and controlled by a wet or chemical dust suppressant. An emergency storage pile, located southwest of the coal crusher screening building (ES230), will also be used periodically for emergency purposes only. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (g) Two (2) coal weigh belts/diverter gates, identified as ES233 and ES234, approved in 1998 for construction, with a combined maximum throughput of 6,067.2 tons of dry coal per day, each equipped with complete enclosures (except for the belts above the ovens which are not enclosed due to safety reasons) for particulate control, and exhausting to atmosphere. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]
- (h) Two (2) coal silos, identified as ES231 and ES232, approved in 1998 for construction, each with a storage capacity of 13,600 cubic feet, each enclosed, and exhausting to atmosphere. [Under 40 CFR 60, Subpart Y, these are considered affected facilities.]

(The information describing the process contained in this facility 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 [40 CFR Part 60, Subpart A] [326 IAC 12-1]

- (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,

except as otherwise specified in 40 CFR Part 60, Subpart Y.

- (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 Coal Preparation Plants [40 CFR Part 60, Subpart Y] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart Y, the Permittee shall comply with the provisions of the Standard of Performance for Coal Preparation Plants (included as Attachment B of this permit), which are incorporated by reference as 326 IAC 12, as specified as follows:

- (a) 40 CFR 60.250 (a) and (b)  
(b) 40 CFR 60.251  
(c) 40 CFR 60.254(a)  
(d) 40 CFR 60.255(a)  
(e) 40 CFR 60.257 (a)(1)(i), (a)(1)(ii), (a)(2)(i), (a)(2)(ii), (a)(2)(iii), (a)(3)(i), (a)(3)(ii), (a)(3)(iii)

**SECTION E.2**

**FACILITY OPERATION CONDITIONS**

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

- (j) Two hundred sixty-eight (268) nonrecovery coke ovens, identified as ES201, distributed in four batteries identified as A, B, C and D, with a maximum capacity of 5,589.0 tons of dry coal per day, heated by recirculating combusted gas, under constant negative pressure, with emissions controlled by one (1) lime spray dryer desulfurization unit and one (1) baghouse, with waste gas emissions exhausting through one (1) main stack, identified as 201 and occasionally through some of the sixteen (16) vent stacks distributed over 4 batteries. Cokenergy LLC (Permit No. 089-11135-00383) is responsible for SO<sub>2</sub>, PM<sub>10</sub> and TSP emissions from the lime spray dryer desulfurization unit and baghouse. There is a continuous emissions monitoring (CEMs) for SO<sub>2</sub> installed on stack 201, which is controlled by Cokenergy LLC. [Under 40 CFR 63, Subpart L, this is considered an existing affected source] [Under 40 CFR 63, Subpart CCCC, this is considered an existing affected source.]

(The information describing the process contained in this facility 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 Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR 63, Subpart A] [326 IAC 20-1]**

- (a) Pursuant to 40 CFR 63, Subpart L, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, except as otherwise specified in 40 CFR Part 63, Subpart L.

- (b) Pursuant to 40 CFR 63.10, 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 for Coke Oven Batteries [40 CFR Part 63, Subpart L] [326 IAC 20-3]**

Pursuant to 40 CFR Part 63, Subpart L, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants for Coke Oven Batteries (included as Attachment C of this permit), which are incorporated by reference as 326 IAC 20-3, as specified as follows:

- (a) 40 CFR 63.300 (a)(4), (b), (e), and (f)  
(b) 40 CFR 63.301  
(c) 40 CFR 63.303 (b) and (c)  
(d) 40 CFR 63.306 (a), (b)(1), (b)(6), (b)(7), (b)(8), (c)  
(e) 40 CFR 63.310  
(f) 40 CFR 63.311 (a), (d)(1) through (d)(5), (f)(1)(i) through (f)(1)(v), (f)(3), (f)(4), (f)(6), and (g)  
(g) 40 CFR 63.312  
(h) 40 CFR 63.313  
(i) Appendix A to Subpart L of Part 63 - Operating Coke Oven Batteries as of April 1, 1992

**SECTION E.3**

**FACILITY OPERATION CONDITIONS**

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

- (i) Four (4) coke oven charging/pushing units, identified as ES202 ES202B, ES203, and ES203D, approved in 1998 for construction, each having a maximum capacity of 2,794.5 tons of dry coal per day for charging and 2,013.7 tons of coke per day for pushing. ES202 and ES202B shall be used interchangeably with respect to "A" and "B" batteries, provided that any time only one of these units shall be in use. ES203 and ES203D shall be used interchangeably with respect to "C" and "D" batteries, provided that any time only one of these units shall be in use. During charging each unit has emissions captured by a hood and controlled by one (1) baghouse, each exhausting through one (1) stack, and each identified as 202, 202B, 203 and 203D, respectively. During pushing all units have emissions captured in a shed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 204. [Under 40 CFR 63, Subpart CCCCC, these are considered existing affected sources.]
- (j) Two hundred sixty-eight (268) nonrecovery coke ovens, identified as ES201, approved in 1998 for construction, distributed in four batteries identified as A, B, C and D, with a maximum capacity of 5,589.0 tons of dry coal per day, heated by recirculating combusted gas, under constant negative pressure, with emissions controlled by one (1) lime spray dryer desulfurization unit and one (1) baghouse, with waste gas emissions exhausting through one (1) main stack, identified as 201 and occasionally through some of the sixteen (16) vent stacks distributed over 4 batteries. Cokenergy LLC (Permit No. 089-11135-00383) is responsible for SO<sub>2</sub>, PM<sub>10</sub> and TSP emissions from the lime spray dryer desulfurization unit and baghouse. There is a continuous emissions monitoring (CEMs) for SO<sub>2</sub> installed on stack 201, which is controlled by Cokenergy LLC. [Under 40 CFR 63, Subpart L, this is considered an existing affected source] [Under 40 CFR 63, Subpart CCCCC, this is considered an existing affected source.]
- (k) Two (2) quench towers, identified as ES206 and ES207, approved in 1998 for construction, each with a maximum capacity of 2,013.7 tons of dry coke per day, used for quenching coke by spraying water from Lake Michigan, quench tower recycle, non-contact charging unit cooling water, non-contact blowdown water from the sixteen (16) heat exchangers, and clean-up water for charging unit within enclosed tower, each controlled by baffles, each exhausting through one (1) stack, identified as 206 and 207, respectively. [Under 40 CFR 63, Subpart CCCCC, these are considered existing affected sources.]

(The information describing the process contained in this facility 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.3.1 General Provisions Relating to Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR 63, Subpart A] [326 IAC 20-1]**

- (a) Pursuant to 40 CFR 63, Subpart CCCCC, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, except as otherwise specified in 40 CFR Part 63, Subpart CCCCC.
- (b) Pursuant to 40 CFR 63.10, 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.3.2 National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks [40 CFR Part 63, Subpart CCCCC] [326 IAC 20-27]

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Pursuant to 40 CFR Part 63, Subpart CCCCC, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks (included as Attachment D of this permit), which are incorporated by reference as 326 IAC 20-74, as specified as follows:

- (a) 40 CFR 63.7280
- (b) 40 CFR 63.7281
- (c) 40 CFR 63.7282
- (d) 40 CFR 63.7283 (a) and (d)
- (e) 40 CFR 63.7290 (a)(1) and (b)(3)(i)
- (f) 40 CFR 63.7293(a)
- (g) 40 CFR 63.7295 (a)(1)(i), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4), and (c)
- (h) 40 CFR 63.7300 (a), (c)(1), (c)(2), (c)(3)(i) through (c)(3)(vi)
- (i) 40 CFR 63.7310
- (j) 40 CFR 63.7320 (a), (b), and (c)
- (k) 40 CFR 63.7321
- (l) 40 CFR 63.7322
- (m) 40 CFR 63.7323(c)(2)
- (n) 40 CFR 63.7326 (a)(1) and (a)(4)(ii)
- (o) 40 CFR 63.7327 (c), (e)(1), (e)(2), and (f)
- (p) 40 CFR 63.7328
- (q) 40 CFR 63.7330 (a)(1) through (a)(8)
- (r) 40 CFR 63.7331 (a)(1) through (a)(7), and (h)
- (s) 40 CFR 63.7332
- (t) 40 CFR 63.7333 (a)(1), (a)(2), (d)(2)(i), (d)(2)(ii), (f)(1), and (f)(2)
- (u) 40 CFR 63.7334 (c) and (e)
- (v) 40 CFR 63.7335 (b)(1) through (b)(3), (c), and (d)
- (w) 40 CFR 63.7336 (a), (b)(1), and (b)(2)
- (x) 40 CFR 63.7340 (a), (b), (d), (e)(1), and (e)(2)
- (y) 40 CFR 63.7341 (a)(2), (a)(4), (c)(1) through (c)(6), (c)(7)(i) and (c)(7)(ii)
- (z) 40 CFR 63.7341 (c)(8)(i) through (c)(8)(xii), (d), and (e)
- (aa) 40 CFR 63.7342 (a)(1) through (a)(3) and (d)
- (bb) 40 CFR 63.7343
- (cc) 40 CFR 63.7350
- (dd) 40 CFR 63.7351
- (ee) 40 CFR 63.7352
- (ff) Table 1 to Subpart CCCCC of Part 63 - Applicability of General Provisions to Subpart CCCCC

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

### PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal  
Source Address: 3210 Watling Street, East Chicago, Indiana 46312  
Part 70 Permit Renewal No.: T089-30043-00382

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

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

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

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal  
Source Address: 3210 Watling Street, East Chicago, Indiana 46312  
Part 70 Permit Renewal No.: T089-30043-00382

**This form consists of 2 pages**

**Page 1 of 2**

- |  |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178 ask for Compliance Section); and</li><li>• 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.</li></ul> |
|--|

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

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

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

**Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N
Type of Pollutants Emitted: TSP, PM <sub>10</sub> , SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT SECTION

### Part 70 Quarterly Report

Source Name: Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal  
Source Address: 3210 Watling Street, East Chicago, Indiana 46312  
Part 70 Permit Renewal No.: T089-30043-00382  
Source/Facility: HRCC  
Limit: 2,040,000 tons of dry coal charged per twelve (12) consecutive month period with compliance determined at the end of each month

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

Month	Tons of coal charged	1st Quarter Tons	2nd Quarter Tons	3rd Quarter Tons	4th Quarter Tons
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

No deviation occurred in this quarter.

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

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE and ENFORCEMENT BRANCH**

**PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Indiana Harbor Coke Company L.P., a contractor of ArcelorMittal  
Source Address: 3210 Watling Street, East Chicago, Indiana 46312  
Part 70 Permit Renewal No.: T089-30043-00382

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

Form Completed By:

Title/Position:

Date:

Phone:



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

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

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

**TO:** Ki Harmon  
Indiana Harbor Coke Co.  
3210 Watling St, PO Box 240  
E Chicago, IN 46312

**DATE:** May 16, 2012

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

**SUBJECT:** Final Decision  
Title V - Administrative Amendment  
089 - 31755 - 00382

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

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

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

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

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	LPOGOST 5/16/2012 Indiana Harbor Coke Company L.P. 089 - 31755 - 00382 /final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

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		Ki Harmon Indiana Harbor Coke Company L.P. 3210 Watling St, PO Box 240 E Chicago IN 46312 (Source CAATS) Via confirmed delivery										
2		Jeremy Haws GM Indiana Harbor Coke Company L.P. 3210 Watling St Code 2-990 E Chicago IN 46312 (RO CAATS)										
3		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
4		Indiana State Representative 2nd District 4114 Butternut St East Chicago IN 46312 (Legislator)										
5		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 (Affected Party)										
6		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
7		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party)										
8		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
9		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
10		Mark Coleman 107 Diana Road Portage IN 46368 (Affected Party)										
11		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
12		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)										
13												
14		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										
15		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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# Mail Code 61-53

IDEM Staff	LPOGOST 5/16/2012 Indiana Harbor Coke Company L.P. 31755 (draft/final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	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		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Barbara G. 506 Lilac Street East Chicago IN 46312 (Affected Party)									
2		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)									
3		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)									
4		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
5		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)									
6		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 (Affected Party)									
7		Gitte Laasby Post Tribune 1433 E. 83rd Ave Merrillville IN 46410 (Affected Party)									
8		Susan Severtson City of Gary Law Dept. 401 Broadway 4th Floor Gary IN 46402 (Local Official)									
9											
10											
11											
12											
13											
14											
15											

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