



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: August 13, 2010

RE: Mid-Continent Coal and Coke Company / 089-29061-00507

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

Notice of Decision: Approval – Effective Immediately

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

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

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

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

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

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

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

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

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



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

Mr. Carl Horst
Mid-Continent Coal and Coke Company
915 West 175th Street
Homewood, Illinois 60430

August 13, 2010

Re: 089-29061-00507
First Significant Permit Modification to
Part 70 Permit No. T 089-21801-00507

Dear Mr. Horst:

Mid-Continent Coal and Coke Company was issued Part 70 Permit No. T 089-21801-00507 on December 15, 2006 for a stationary metallurgical coke screening plant located at 3001 Dickey Road, East Chicago, Indiana 46312. IDEM, OAQ has reviewed a modification application, submitted by Mid-Continent Coal and Coke Company on March 11, 2010, requesting to increase their existing limit of coke throughput in the coke screening operations of 99,390 tons per year to 198,780 tons per year. None of the existing coke screening operations are being modified and no new equipment is being added as part of this modification.

The following Compliance Determination Requirement has been added to the permit:

- (a) In order to comply with Conditions D.1.1(a) and (b), the Permittee shall use wet suppression to control emissions of PM, PM10 and PM2.5 from one (1) screening operation if the moisture content of the material is less than 8.3 percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the metallurgical material to ensure it has a moisture content greater than 8.3 percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Part 70 Operating Permit as modified.

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 Sarah Conner, Ph. D., OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or call at (800) 451-6027, and ask for Sarah Conner, Ph. D. or extension 4-6555, or dial (317) 234-6555.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald F. Robin". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Donald F. Robin, P.E., Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit, Technical Support Document and Addendum to the Technical Support Document

DFR/SLC

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



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

PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Mid-Continent Coal and Coke Company,
a Contractor of ArcelorMittal Indiana Harbor, LLC
3001 Dickey Road
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.: T089-21801-00507	
Issued By:/Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: December 15, 2006 Expiration Date: December 15, 2011

First Administrative Amendment No.: 089-26620-00507, issued July 14, 2008

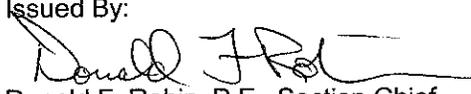
First Significant Permit Modification No.: 089-29061-00507	
Issued By:  Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: August 13, 2010 Expiration Date: December 15, 2011

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	4
A.1	General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]	
A.2	Part 70 Source Definition [326 IAC 2-7-1(22)]	
A.3	Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]	
A.4	Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]	
A.5	Part 70 Permit Applicability [326 IAC 2-7-2]	
SECTION B	GENERAL CONDITIONS	6
B.1	Definitions [326 IAC 2-7-1]	
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)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-7-7]	
B.5	Severability [326 IAC 2-7-5(5)]	
B.6	Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.7	Duty to Provide Information [326 IAC 2-7-5(6)(E)]	
B.8	Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]	
B.9	Annual Compliance Certification [326 IAC 2-7-6(5)]	
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]	
B.11	Emergency Provisions [326 IAC 2-7-16]	
B.12	Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]	
B.13	Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]	
B.14	Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]	
B.15	Reserved	
B.16	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]	
B.17	Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4] [326 IAC 2-7-8(e)]	
B.18	Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]	
B.19	Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]	
B.20	Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]	
B.21	Source Modification Requirement [326 IAC 2-7-10.5]	
B.22	Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]	
B.23	Transfer of Ownership or Operational Control [326 IAC 2-7-11]	
B.24	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]	
B.25	Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS	17
	Emission Limitations and Standards [326 IAC 2-7-5(1)]	
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.4	Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Fugitive Dust Emissions [326 IAC 6.8-10]	
C.7	Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]	
C.8	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

- C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
- C.12 Continuous Compliance Plan [326 IAC 6.8-8-1] [326 IAC 6.8-8-8]
- C.13 Reserved
- C.14 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

- C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
- C.17 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
- C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

- C.19 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]
- C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6][326 IAC 2-2] [326 IAC 2-3]
- C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

Stratospheric Ozone Protection

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

SECTION D.1 FACILITY OPERATION CONDITIONS 27

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

- D.1.1 PSD and Nonattainment NSR Minor Limits [326 IAC 2-2][326 IAC 2-1.1-5]
- D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

- D.1.3 Lake County Fugitive Particulate Matter Control Requirements [326 IAC 6.8-10]
- D.1.4 PM, PM10 and PM2.5 Control

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

D.1.5 Visible Emissions Notations

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

- D.1.6 Record Keeping Requirements
- D.1.7 Reporting Requirements

Certification	32
Quarterly Report	33-34
Emergency Occurrence Report.....	35
Quarterly Deviation and Compliance Monitoring Report	37

Attachment A: Fugitive Dust Control Plan

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.2, A.3, and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary metallurgical coke screening plant.

Source Address:	3001 Dickey Road, East Chicago, Indiana 46312
General Source Phone Number:	(708) 798-1100
SIC Code:	3312 (source), 5052 (support facility)
County Location:	Lake
Source Location Status:	Nonattainment for SO ₂ and PM _{2.5} Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD 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)]

ArcelorMittal Indiana Harbor, LLC (formerly known as Mittal Steel and ISG-Indiana Harbor, Inc.), is a fully integrated steelmaking and finishing facility consisting of a source with on-site contractors:

- (a) ArcelorMittal Indiana Harbor, LLC, formerly known as Mittal Steel and ISG-Indiana Harbor, Inc., (Plant ID No.: 089-00318), the primary operation, located at 3001 Dickey Road, East Chicago, Indiana 46312; and
- (b) Mid-Continent Coal and Coke Company (Plant ID No.: 089-00507), the on-site contractor (a metallurgical coke screening plant), located at 3001 Dickey Road, East Chicago, Indiana 46312.

Separate Part 70 Permits were prepared for ArcelorMittal Indiana Harbor, LLC and MCCC solely for administrative purposes. For permitting purposes, ArcelorMittal Indiana Harbor, LLC is assigned Permit No.: 089-7099-00318 (issued December 7, 2004) and MCCC is assigned Permit No.: 089-21801-00507 (this permit), and Permit Nos.: T089-19852-00504 and T089-21729-05224 for the other two (2) MCCC contractors on this site, which are pending.

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

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

One (1) screening operation with a maximum capacity of fifty (50) tons per hour, constructed in 2001, and consisting of the following equipment:

- (a) One (1) coke screen;
- (b) Four (4) conveyors;
- (c) One (1) hopper;

- (d) One (1) internal combustion diesel generator, used to generate electric power, with a maximum capacity of 164 HP; and
- (e) One (1) front-end loader with a diesel internal combustion engine with a maximum capacity of 180 HP.

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

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1(21).

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

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

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

SECTION B

GENERAL CONDITIONS

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

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

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

- (a) This permit, T089-21801-00507, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

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

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

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

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

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

The Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Northwest Regional Office Telephone No.: (219) 757-0265
Northwest Regional Office Facsimile No.: (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 in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

- (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T089-21801-00507 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 combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

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

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

B.15 Reserved

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require 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 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.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

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

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

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

- (a) No Part 70 permit revision 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.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

C.6 Fugitive Particulate Matter Emissions [326 IAC 6.8-10-3]

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

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

- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:
 - (1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
 - (2) The PM₁₀ 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 PM₁₀ 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 crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
 - (5) The opacity of fugitive particulate emission 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) (formerly 326 IAC 6-1-11.1(d)(9)).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)) 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.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled by water sprays from trucks as required. In addition, the presence of moisture in the water quenched metallurgical coke prevents fugitive dust emissions from crossing the property lines. The Permittee submitted a Fugitive Dust Control Plan on July 31, 2002 and included as Appendix A.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-52 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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

- (a) Pursuant to 326 IAC 326 IAC 6.8-8-1, the source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) shall submit to IDEM and maintain at source a copy of the Continuous Compliance Plan (CCP). The source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) 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 source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) 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 source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) shall submit the updated CCP, if required to IDEM, OAQ no later than thirty (30) days of the update.
- (c) Pursuant to 326 IAC 6.8-8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit update to a CCP is a violation of 326 IAC 6.8-8.

C.13 Reserved

C.14 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall have a scale such that the expected normal reading 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 pressure gauge or other 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.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

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

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

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.17 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

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

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

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

The statement must be submitted to:

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

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

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1(qq) and 326 IAC 2-3-3(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and 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 326 IAC 2-3-3(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 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 326 IAC 2-3-1(mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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

- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial startup, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and 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 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
 - (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and 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

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

Stratospheric Ozone Protection

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

One (1) screening operation with a maximum capacity of fifty (50) tons per hour, constructed in 2001, and consisting of the following equipment:

- (a) One (1) coke screen;
- (b) Four (4) conveyors;
- (c) One (1) hopper;
- (d) One (1) internal combustion diesel generator, used to generate electric power, with a maximum capacity of 164 HP; and
- (e) One (1) front-end loader with a diesel internal combustion engine with a maximum capacity of 180 HP.

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

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

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

- (a) Particulate matter (PM) emissions from the coke screen and conveyors shall not exceed 0.025 pound of PM per ton of coke throughput.
- (b) PM10 and PM2.5 emissions from the coke screen and conveyors shall not exceed 0.0087 pound of PM10/PM2.5 per ton of coke throughput.
- (c) The throughput of coke to the coke screening operation shall not exceed 198,780 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with the above limits, combined with the fugitive emissions and the limited emissions from the combustion of diesel fuel (see below), shall limit the PM emissions from the coke screening operation to less than twenty-five (25) tons per twelve (12) consecutive month period and the PM10/PM2.5 emissions from the coke screening operation to less than fifteen (15) tons per twelve (12) consecutive month period. Compliance with the above limits renders the requirements of 326 IAC 2-2 (PSD) not applicable. Compliance with the PM10/PM2.5 limit also satisfies PM2.5 requirements of 326 IAC 2-1.1-5 (Non-Attainment NSR).

- (d) The diesel fuel usage of the internal combustion diesel generator shall be less than or equal to 80 Kilo-gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. As a result of the diesel fuel limit:

- (1) NO_x emissions from the internal combustion diesel generator shall not exceed 0.00205 lbs/hp-hr.

Compliance with the above limit renders the requirements of 326 IAC 2-2 (PSD) not applicable.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventative 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 [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.3 Lake County Fugitive Particulate Matter Control Requirements [326 IAC 6.8-10]

Pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), opacity from the activities shall be determined as follows:

(a) Paved Roads and Parking Lots

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

- (1) The first will be taken at the time of emission generation.
- (2) The second will be taken five (5) seconds later.
- (3) The third will be taken five (5) seconds later or ten (10) seconds after the first.

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

(b) Unpaved Roads and Parking

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

(c) Batch Transfer

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

(d) Continuous Transfer

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

(e) Wind Erosion from Storage Piles

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

- (f) Wind Erosion from Exposed Areas
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.
- (g) Material Transported by Truck or Rail
Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the inplant transportation requirement.
- (h) Material Transported by Front End Loader or Skip Hoist
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:
- (1) The first will be taken at the time of emission generation.
 - (2) The second will be taken five (5) seconds later.
 - (3) The third will be taken five (5) seconds later or ten (10) seconds after the first.
- The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.
- (i) Material Processing Limitations
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipments shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

D.1.4 PM, PM10 and PM2.5 Control

In order to comply with Conditions D.1.1(a) and (b), the Permittee shall use wet suppression to control emissions of PM, PM10 and PM2.5 from one (1) screening operation if the moisture content of the material is less than 8.3 percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the metallurgical material to ensure it has a moisture content greater than 8.3 percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the exhausts from the hopper, the screen, and the conveyor transfer points shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the hoppers, the screen, and the conveyor transfer points once per day.
- (b) In order to demonstrate the compliance status with Conditions D.1.1(c), the Permittee shall maintain records of coke processed.
- (c) In order to demonstrate the compliance status with Conditions D.1.1(d), the Permittee shall maintain records of the diesel fuel usage.
- (d) Pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the Permittee shall keep the following documentation to show the compliance status with each of its control measures and control practices:
 - (1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.
 - (2) For each application of water or chemical solution to roadways, the following shall be recorded:
 - (A) The name and location of the roadway controlled
 - (B) Application rate
 - (C) Time of each application
 - (D) Width of each application
 - (E) Identification of each method of application
 - (F) Total quantity of water or chemical used for each application
 - (G) For each application of chemical solution, the concentration and identity of the chemical
 - (H) The material data safety sheets for each chemical
 - (3) For application of physical or chemical control agents not covered by 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1), the following shall be recorded:

- (A) The name of the agent
 - (B) Location of application
 - (C) Application rate
 - (D) Total quantity of agent used
 - (E) If diluted, percent of concentration
 - (F) The material data safety sheets for each chemical
- (4) A log recording incidents when control measures were not used and a statement of explanation.
 - (5) Copies of all records required by this section shall be submitted to the department no later than twenty (20) working days of a written request by the department
- (e) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of the chemical analysis of the metallurgical material.
 - (f) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.7 Reporting Requirements

- (a) Pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), a quarterly report shall be submitted, stating the following:
 - (1) The dates any required control measures were not implemented
 - (2) A listing of those control measures
 - (3) The reasons that the control measures were not implemented
 - (4) Any corrective action taken
- (b) Quarterly summaries of the information to document the compliance status with Conditions D.1.1(c) and D.1.1(d) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee 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).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Mid-Continent Coal and Coke Company
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-21801-00507

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**

Part 70 Quarterly Report

Source Name: Mid-Continent Coal and Coke Company
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-21801-00507
Facility: Coke screening operation
Parameter: Coke throughput
Limit: Less than 198,780 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Mid-Continent Coal and Coke Company
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-21801-00507
Facility: One (1) internal combustion diesel generator
Parameter: Diesel Fuel Usage
Limit: No greater than eighty (80) kilogallons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Mid-Continent Coal and Coke Company
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-21801-00507

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

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

Source Name: Mid-Continent Coal and Coke Company
Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-21801-00507

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

ATTACHMENT A

FUGITIVE DUST CONTROL PLAN

Fugitive Dust Control Plan

Mid-Continent Coal & Coke Company
915 WEST 175TH STREET
HOMEWOOD, ILLINOIS 60430

PREMIUM QUALITY
COAL AND COKE

TELEPHONE
FACSIMILE

(708) 798-1110
(708) 798-1299

Stationary Metallurgical Coke Screening Plant
Plant ID Number 089-00507

Primary Contact

Carl Horst
Manager of Operations
915 W. 175th Street
Homewood, IL 60430
Off-hours Number (708) 267-7198

Roadway Control

1. Traffic is restricted to established and controlled roadways.
2. Vehicular traffic on unpaved roads is limited to 5 miles per hour (mph).
3. Paved roadways are the responsibility of the steel mill. Unpaved roadways at the plant are inspected each day of operation to determine if dust suppression is required.
4. Water sprays from a water truck or application by front-end loader bucket is used as needed to wet down unpaved areas.

Fines Stockpile Control Measures

1. Front-end loader bucket drop height during screening and truck loading is kept to the lowest practical elevation.
2. Water is applied to fines stockpile as necessary to prevent visible emissions from leaving the property.
3. Water will not be applied during freezing weather, typically between October 15 and April 15.

Unscreened Coke Control

The inherent moisture of coke fines is greater than 10%. This prevents visible emissions during screening. If excess emissions are observed during screening, operations will stop and one of two control methods will be used:

1. Water sprays may be applied to the source pile to get its moisture level above 10%
2. For small amounts of dry coke, fresh material may be dumped on top of the dry material and mixed with a loader bucket to raise the moisture content of the dry material to an acceptable level.

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

**Addendum to the Technical Support Document (ATSD) for a Part 70
Significant Permit Modification**

Source Background and Description

Source Name:	Mid-Continent Coal and Coke Company
Source Location:	3001 Dickey Road, East Chicago, Indiana
County:	Lake
SIC Code:	3312 (source), 5052 (support facility)
Operation Permit No.:	T 089-21801-00507
Operation Permit Issuance Date:	December 15, 2006
Significant Permit Modification No.:	089-29061-00507
Permit Reviewer:	Sarah Conner, Ph. D.

On June 11, 2010, the Office of Air Quality (OAQ) had a notice published in the *Post Tribune*, in Merrillville, Indiana, and in *The Times*, in Munster, Indiana, stating that Mid-Continent Coal and Coke Company had applied for a Part 70 Significant Permit Modification to make certain changes at its existing source. The notice stated that Mid-Continent Coal and Coke Company applied to increase their existing limit of coke throughput in the coke screening operations of 99,390 tons per year to 198,780 tons per year. The notice also stated that OAQ proposed to issue a permit for this modification and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On July 1, 2010, Brian T. Wolters submitted comments to IDEM, OAQ on the draft Significant Permit Modification No. 089-29061-00507 for Mid-Continent Coal and Coke Company.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

Non-road engine emissions should not be included in the Title V permit or emission inventory calculations. The "front-end loader" identified in the draft permit under condition D.1.1(d) are non-road engines/mobile sources. Non-road engines are a category of equipment that are excluded from the definition of "stationary source", see Clean Air Act Section 302(z). 326 IAC 1-2-73 states "a source does not include mobile sources, non-road engines or non-road vehicles." Attached are three USEPA references that show non-road engines are not stationary sources:

- Dec 14, 2001 Jack Broadsbent (Region X EPA) to Marc Chytilo (Comment 12).
- Mar 12, 1996 Brian Beals (EPA) to Edward Cutrer (Georgia Dept of Nat Resources)
- Dec 13, 2001 Barbara McAllister (Region X EPA) to Valerie Brown (Alaska) (Comment 6).

Please remove the proposed changes to include the "front-end loader" into the existing PSD avoidance limit of 80,000 gallons/yr diesel limit.

Response to Comment 1:

IDEM agrees with the recommended changes, since one (1) front-end loader with a diesel internal combustion engine with a maximum capacity of 180 HP, was constructed after December 1998, and meets the definition of a non-road engine. The permit has been revised as follows:

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

...

- (d) The diesel fuel usage of ~~to both the internal combustion diesel generator and front-end loader with a diesel internal combustion engine~~ shall be less than or equal to 80 Kilo-gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. As a result of the diesel fuel limit:
- (1) ~~NO_x emissions from the internal combustion diesel generator and front-end loader with a diesel internal combustion engine~~ shall not exceed 0.00205 lbs/hp-hr.

...

Part 70 Quarterly Report

Source Name:	Mid-Continent Coal and Coke Company
Source Address:	3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.:	T089-21801-00507
Facility:	Internal Combustion Engines One (1) internal combustion diesel generator
Parameter:	Diesel Fuel Usage
Limit:	No greater than eighty (80) kilogallons per twelve (12) consecutive month period with compliance determined at the end of each month

...

On June 30, 2010, Elizabeth Hill Jusko submitted comments to IDEM, OAQ on the draft Significant Permit Modification No. 089-29061-00507 for Mid-Continent Coal and Coke Company.

Comment 2:

Upon further review it is unclear as to why there is a fuel limitation in the for Mid-Continent Coal and Coke Company permit for mobile equipment in D.1.1(d).

Response to Comment 2:

IDEM agrees that there should not be a fuel limitation for the one (1) front-end loader. See response to comment 1. The fuel limit has been clarified.

Additional Changes

1. IDEM updated the SIC code for this source. Because the contractor is one source with the mill, the appropriate SIC code is 3312.

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

The Permittee owns and operates a stationary metallurgical coke screening plant.

Source Address: 3001 Dickey Road, East Chicago, Indiana 46312
 General Source Phone Number: (708) 798-1100
 SIC Code: **3312 (source), 5052 (support facility)**

...

- Upon review of the technical support document (tsd) calculations, the fugitive emissions from the one (1) front-end loader had not been accounted for in the draft modification 089-29061-00507 and in the original permit T089-21801-00507, issued December 15, 2006. Therefore, fugitive emission from the one (1) front-end loader have been calculated and added to the source summary calculations. Please see ATSD Appendix A calculations for additional details.

The Permit Level Determination - PSD and Emission Offset section found in the technical support document has been updated.

Permit Level Determination – PSD and Emission Offset

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

Process / Emission Unit	Potential to Emit (ton/yr)						
	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Unloading Raw Coke	0.094	0.045	0.007	-	-	-	-
Screening and Conveying	12.424	4.323	4.323	-	-	-	-
Loading Finished Coke	0.094	0.045	0.007	-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	2.418	0.616	0.062	-	-	-	-
Internal Combustion Engines Internal combustion diesel generator	1.760	1.760	1.760	1.640	24.800	1.976	5.344
Fugitive Emissions from Front-End Loader	4.491	1.145	0.114	-	-	-	-
Total for Modification	23.351	8.968	6.428	1.640	24.800	1.976	5.344
PSD Significant Level	25	15	N/A	40	40	N/A	100
Emission Offset Significant Level	N/A	N/A	N/A	N/A	40 ²	25 ¹	N/A
Nonattainment NSR Significant Level	N/A	N/A	10	40	N/A	N/A	N/A

¹Pursuant to the 1-hr ozone standard.

²Pursuant to the 8-hr ozone standard.

- (a) Lake County has been designated as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM_{2.5} Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM_{2.5} major NSR regulations, states should assume that a major stationary source's PM₁₀ emissions represent PM_{2.5} emissions. IDEM will use the PM₁₀ nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM_{2.5} NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM₁₀. OAQ is following the U.S. EPA's guidance to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions pursuant to the requirements of 326 IAC 2-1.1-5 (Nonattainment NSR).
- (b) This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (c) This modification to an existing major stationary source is not major because the emissions increase is less than the Emission Offset and Nonattainment NSR significant levels. Therefore, pursuant to 326 IAC 2-3 and 326 IAC 2-1.1-5, the Emission Offset and Nonattainment NSR requirements do not apply.

**Appendix A: Emissions Calculations
PTE Summary**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 7/19/2010

Emission Units	¹ Limited PTE (tons/year) Before Modification						
	PM	PM10	PM2.5	SO2	NOx	VOC	CO
Unloading Raw Coke	14.910	9.940	9.940	-	-	-	-
Screening and Conveying				-	-	-	-
Loading Finished Coke				-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	1.209	0.308	0.031	-	-	-	-
Internal combustion diesel generator	1.760	1.760	1.760	1.640	24.800	1.976	5.344
² Fugitive Emissions from Front-End Loader	2.245	0.572	0.057	-	-	-	-
Worst Case Total	22.194	13.615	11.943	1.640	24.800	1.976	5.344

¹ The Limited PTE before the Modification is based on Part 70 operating permit No. T089-21801-00507, issued on December 15, 2006.

² The fugitive emissions from the one (1) front-end loader had not been accounted for in the draft modification 089-29061-00507 and had not been accounted for in the original permit T089-21801-00507, issued December 15, 2006. These emissions are shown here.

Emission Units	Limited PTE (tons/year) After Modification						
	PM	PM10	PM2.5	SO2	NOx	VOC	CO
Unloading Raw Coke	0.094	0.045	0.007	-	-	-	-
Screening and Conveying	12.424	4.323	4.323	-	-	-	-
Loading Finished Coke	0.094	0.045	0.007	-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	2.418	0.616	0.062	-	-	-	-
Internal Combustion Engines	1.760	1.760	1.760	1.640	24.800	1.976	5.344
² Fugitive Emissions from Front-End Loader	4.491	1.145	0.114	-	-	-	-
Worst Case Total	23.351	8.968	6.428	1.640	24.800	1.976	5.344

² The fugitive emissions from the one (1) front-end loader had not been accounted for in the draft modification 089-29061-00507 and had not been accounted for in the original permit T089-21801-00507, issued December 15, 2006. These emissions are shown here.

**Appendix A: Emissions Calculations
PM Emissions Calculations
Fugitive Emissions - Front-End Loader**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 7/19/2010

Maximum Production - Unlimited (tons/yr)	Product Weight (tons/round trip)	Round Trips/Yr	Miles per Round Trip	Vehicle Miles Traveled (VMT/yr)	Mean Weight (tons)
438,000	2.808	155,983	0.0189	2954.22	25

¹ Limited Production Before Modification- (tons/yr)	Product Weight (tons/round trip)	Round Trips/Yr	Miles per Round Trip	Vehicle Miles Traveled (VMT/yr)	Mean Weight (tons)
99,390	2.808	35,395	0.0189	670.37	25

¹ Limited Production After Modification - (tons/yr)	Product Weight (tons/round trip)	Round Trips/Yr	Miles per Round Trip	Vehicle Miles Traveled (VMT/yr)	Mean Weight (tons)
198,780	2.808	70,791	0.0189	1340.73	25

Pollutant	Emission Factor (E)	Emissions - Unlimited (tpy)	Limited PTE (tons/year) Before Modification	Limited PTE (tons/year) After Modification
PM	6.70	9.90	2.25	4.49
PM-10	1.71	2.52	0.57	1.14
PM-2.5	0.17	0.25	0.06	0.11

The following calculation determines the amount of emissions created by unpaved roads. The equation and values are from AP-42 Ch. 13.2.2 (Fifth Edition, 12/03).

Eq. 1a: $E = k * (s/12)^a * (W/3)^b$
 where E = calculated site specific emission factor (lb/VMT)
 k = 4.9 particle size multiplier (k=4.9 for PM-30/TSP, k=1.5 for PM-10, k=0.15 for PM-2.5)
 s = 4.8 mean % silt content of unpaved roads (provided by source)
 a = 0.7 empirical constant (a=0.7 for PM-30/TSP, a=0.9 for PM-10, a=0.9 for PM-2.5)
 b = 0.45 empirical constant (b=0.45 for PM-30/TSP, b=0.45 for PM-10, b=0.45 for PM-2.5)
 W = 25 mean vehicle weight (tons)

Methodology

Note 1: The source was limited to 99,390 tons/yr throughput pursuant to T089-21801-00507, issued December 15, 2006. Pursuant to SPM 089-29061-00507, the limited throughput will be 198,780 tons/yr. The total fugitive emissions from the front-end loader prior to the modification are based on a limited throughput of 99,390 tons/yr and the total fugitive emission from the front-end loader after the modification are based on a limited throughput of 198,780 tons/yr.

PM Emissions (tpy) = PM Emission Factor (E) * Vehicle Miles Traveled per yr / 2000
 PM-10 Emissions (tpy) = PM-10 Emission Factor (E) * Vehicle Miles Traveled per yr / 2000
 PM-2.5 Emissions (tpy) = PM-2.5 Emission Factor (E) * Vehicle Miles Traveled per yr / 2000

Coke weighs 26 lbs/cu ft, and 8 cu yd bucket = 216 cu ft. Therefore, 26 lbs/cu ft * 216 cu ft per bucket = 2.808 tons per bucket
 100 ft per trip / 5280 ft per mile = 0.0189 miles per trip

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

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

Source Description and Location

Source Name:	Mid-Continent Coal and Coke Company
Source Location:	3001 Dickey Road, East Chicago, Indiana 46312
County:	Lake
SIC Code:	5052
Operation Permit No.:	T 089-21801-00507
Operation Permit Issuance Date:	December 15, 2006
Significant Permit Modification No.:	089-29061-00507
Permit Reviewer:	Sarah Conner, Ph. D.

Source Definition

ArcelorMittal Indiana Harbor, LLC (formerly known as Mittal Steel and ISG-Indiana Harbor, Inc.), is a fully integrated steelmaking and finishing facility consisting of a source with on-site contractors:

- (a) ArcelorMittal Indiana Harbor, LLC, formerly known as Mittal Steel and ISG-Indiana Harbor, Inc., (Plant ID No.: 089-00318), the primary operation, located at 3001 Dickey Road, East Chicago, Indiana 46312; and
- (b) Mid-Continent Coal and Coke Company (Plant ID No.: 089-00507), the on-site contractor (a metallurgical coke screening plant), located at 3001 Dickey Road, East Chicago, Indiana 46312.

IDEM, OAQ has determined that ArcelorMittal Indiana Harbor, LLC (formerly known as Mittal Steel and ISG-Indiana Harbor, Inc.) and Mid-Continent Coal and Coke Company (MCCC) are under the common control of ArcelorMittal Indiana Harbor, LLC. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both ArcelorMittal Indiana Harbor, LLC and MCCC.

Separate Part 70 Permits were prepared for ArcelorMittal Indiana Harbor, LLC and MCCC solely for administrative purposes. For permitting purposes, ArcelorMittal Indiana Harbor, LLC is assigned Permit No.: 089-7099-00318 (issued December 7, 2004) and MCCC is assigned Permit No.: 089-21801-00507 (this permit), and Permit Nos.: T089-19852-00504 and T089-21729-0524 for the other two (2) MCCC contractors on this site, which are pending.

Existing Approvals

The source was issued Part 70 Operating Permit No. T 089-21801-00507 on December 15, 2006. The source has since received the following approvals:

- (a) Administrative Amendment No. 089-26620-00507 issued on July 14, 2008.

County Attainment Status

The source is located in Lake County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148 th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O ₃	Attainment effective June 4, 2010. ¹
PM ₁₀	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Lake County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3. Basic nonattainment designation effective federally April 5, 2005, for PM2.5.	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Lake County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM2.5 promulgated on May 8, 2008, and effective on July 15, 2008. Therefore, direct PM2.5 and SO2 emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Lake County has been classified as attainment or unclassifiable in Indiana for all other regulated pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Since this source is classified as a steel mill, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (e) **Fugitive Emissions**
 Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are counted toward the determination of PSD applicability.

Source Status

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

Pollutant	Emissions (ton/yr)
PM	Greater than 100
PM ₁₀	Greater than 100
PM _{2.5}	Greater than 100
SO ₂	Greater than 100
VOC	Greater than 100
CO	Greater than 100
NO _x	Greater than 100
Single HAP	Greater than 10
Total HAPs	Greater than 25

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is a major stationary source, under nonattainment new source review rules (326 IAC 2-1.1-5) since direct PM_{2.5} and/or SO₂ is emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon the Technical Support Document for ArcelorMittal Indiana Harbor, LLC SPM No. 089-26506-00318. Since Mid-Continent Coal and Coke Company is an on-site contractor for ArcelorMittal Indiana Harbor, LLC, the total emissions from ArcelorMittal Indiana Harbor, LLC and its contractors are considered.
- (d) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2008 OAQ emission data.

Pollutant	Actual Emissions (ton/yr)
PM	Not reported
PM ₁₀	10
PM _{2.5}	3
SO ₂	0
VOC	0
CO	0
NO _x	2
Single HAP	Not reported
Total HAPs	Not reported

No previous emission data has been received from the source.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Mid-Continent Coal and Coke Company on March 11, 2010, relating to increasing the existing limit of coke throughput in the coke screening operations of 99,390 tons per year to 198,780 tons per year. None of the existing coke screening operations are being modified and no new equipment is being added as part of this modification.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

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

The modification is exempt under 326 IAC 2-7-10.5 because there is no new equipment, modified equipment, and no change in the method of operation. However, the modification will be incorporated into the Part 70 Operating Permit Renewal through a significant permit modification issued pursuant to 326 IAC 2-7-12(d), because the modification requires a case-by-case determination of an emission limitation and significant changes in existing monitoring Part 70 permit terms or conditions.

Permit Level Determination – PSD

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

Process / Emission Unit	Potential to Emit (ton/yr)						
	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Unloading Raw Coke	0.094	0.045	0.007	-	-	-	-
Screening and Conveying	12.424	4.323	4.323	-	-	-	-
Loading Finished Coke	0.094	0.045	0.007	-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	2.418	0.616	0.062	-	-	-	-
Internal Combustion Engines	1.760	1.760	1.760	1.640	24.800	1.976	5.344
Total for Modification	18.860	7.824	6.314	1.640	24.800	1.976	5.344
PSD Significant Level	25	15	N/A	40	40	40	100
Nonattainment NSR Significant Level	N/A	N/A	10	40	N/A	N/A	N/A

- (a) Lake County has been designated as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM_{2.5} Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM_{2.5} major NSR regulations, states should assume that a major stationary source's PM₁₀ emissions represent PM_{2.5} emissions. IDEM will use the PM₁₀ nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM_{2.5} NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM₁₀. OAQ is following the U.S. EPA's guidance to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions pursuant to the requirements of 326 IAC 2-1.1-5 (Nonattainment NSR). Because PM₁₀ emissions are limited to less than 10 tons per year, and since PM_{2.5} is a subset of PM₁₀, PM_{2.5} emissions are also limited to less than the significant level under nonattainment NSR.
- (b) This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (c) This modification to an existing major stationary source is not major because the emissions increase is less than the Nonattainment NSR significant levels. Therefore, pursuant to 326 IAC 2-1.1-5, Nonattainment NSR requirements do not apply.

Federal Rule Applicability Determination

NSPS:

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

NESHAP:

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

CAM

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

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

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the units as part of this permit modification because the potential to emit before controls of each criteria pollutant, from each emission unit at the source, is less than the Part 70 major source thresholds.

State Rule Applicability Determination

There are no changes to the state rule applicability at this source due to the modification.

326 IAC 2-1.1-5 (Nonattainment New Source Review)

This modification to an existing major stationary source is not major because the emissions increase is less than the Nonattainment NSR significant levels for PM_{2.5} and SO₂. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment NSR requirements do not apply.

326 IAC 2-2 (PSD)

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels for PM, PM₁₀, SO₂, CO, VOC and NOx. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

This modification to an existing major stationary source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially because the source emits all criteria pollutants at less than two hundred fifty (250) tons per year. The first report is due no later than July 1, 2004, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

Compliance Determination and Monitoring Requirements

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

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

The Compliance Determination Requirements applicable to this modification are as follows:

- (a) In order to comply with Conditions D.1.1(a) and (b), the Permittee shall use wet suppression to control emissions of PM, PM10 and PM2.5 from one (1) screening operation if the moisture content of the material is less than 8.3 percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the metallurgical material to ensure it has a moisture content greater than 8.3 percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

Proposed Changes

The following changes to Part 70 Operating Permit No. T 089-21801-00507 listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

- 1. Mid-Continent Coal and Coke Company requested to increasing the existing limit of coke throughput in the coke screening operations from 99,390 tons per twelve (12) consecutive month period to 198,780 tons per twelve (12) consecutive month period. None of the existing coke screening operations are being modified and no new equipment is being added as part of this modification. However, the emission factors for coke production have been updated pursuant to AP-42 Chapter 12.2 Coke Production, which requires the use of wet suppression techniques. Therefore, the source will be required to use wet suppression. Section D has been revised accordingly.

D.1.1 PSD and ~~Emission Offset~~ **Nonattainment NSR** Minor Limits [326 IAC 2-2] [~~326 IAC 2-3~~][326 IAC 2-1.1-5]

(a) **Particulate matter (PM) emissions from the coke screen and conveyors shall not exceed 0.025 pound of PM per ton of coke throughput.**

(b) **PM10 and PM2.5 emissions from the coke screen and conveyors shall not exceed 0.0087 pound of PM10/PM2.5 per ton of coke throughput.**

~~(a) Pursuant to 089-15497-05217, issued February 3, 2003, the Permittee shall limit the coke throughput to the coke screening operation to less than 99,390 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to PM emissions of 14.9 tons per year and PM10 emissions of 9.94 tons per year.~~

(c) **The throughput of coke to the coke screening operation shall not exceed 198,780 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.**

~~This limit is structured such that~~ **Compliance with the above limits, when including combined with** the fugitive emissions and the limited emissions from the combustion of diesel fuel (see below), **shall limit the** PM emissions from the coke screening **operation plant are to** less than twenty-five (25) tons per year **twelve (12) consecutive month period and the** PM10/PM2.5 emissions from the coke screening operation ~~are to~~ less than fifteen (15) tons per year **twelve**

(12) consecutive month period. Compliance with ~~these limitations~~ **the above limits** renders the requirements of 326 IAC 2-2 (PSD) and ~~326 IAC 2-3 (Emission Offset)~~ not applicable. Compliance with the PM10/**PM2.5** limit also satisfies PM2.5 requirements of 326 IAC 2-1.1-5 (Non-Attainment NSR).

(bd) Pursuant to ~~089-15497-05217, issued February 3, 2003, the Permittee shall limit~~ **the diesel fuel usage to both the internal combustion diesel generator and front-end loader with a diesel internal combustion engine to shall be less than or equal to 80 Kilo-gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit is equivalent to 24.8 tons of NO_x per year. As a result of the diesel fuel limit:**

(1) NO_x emissions from the internal combustion diesel generator and front-end loader with a diesel internal combustion engine shall not exceed 0.00205 lbs/hp-hr.

Compliance with the **above** limit renders the requirements of 326 IAC 2-2 (PSD) not applicable.

...

D.1.4 PM, PM10 and PM2.5 Control

In order to comply with Conditions D.1.1(a) and (b), the Permittee shall use wet suppression to control emissions of PM, PM10 and PM2.5 from one (1) screening operation if the moisture content of the material is less than 8.3 percent.. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the metallurgical material to ensure it has a moisture content greater than 8.3 percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

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

D.1.45 Visible Emissions Notations

D.1.56 Record Keeping Requirements

- (a) To document compliance with Condition D.1.45, the Permittee shall maintain records of visible emission notations of the hoppers, the screen, and the conveyor transfer points once per day.
- (b) In order to demonstrate the compliance status with Conditions D.1.1(ac), the Permittee shall maintain records of coke processed.
- (c) In order to demonstrate the compliance status with Conditions D.1.1(bd), the Permittee shall maintain records of the diesel fuel usage.
- (d) Pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the Permittee shall keep the following documentation to show compliance with each of its control measures and control practices:
- (1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.
 - (2) For each application of water or chemical solution to roadways, the following shall be recorded:

- (A) The name and location of the roadway controlled
- (B) Application rate
- (C) Time of each application
- (D) Width of each application
- (E) Identification of each method of application

...

- (e) To document compliance with Condition D.1.4, the Permittee shall maintain records of the chemical analysis of the metallurgical material.**
- ~~(df) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.1.68 Reporting Requirements

...

- ~~(b) A quarterly summary of the information to document the compliance status with Conditions D.1.1(a) and D.1.1(d) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee does require the a certification that meets the requirements of 326 IAC 2-7-6(1) by the a "responsible official," as defined by 326 IAC 2-7-1 (34).~~
- ~~(c) A quarterly summary of the information to document compliance with Condition D.1.1(b) submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. 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).~~

...

Part 70 Quarterly Report

Source Name:	Mid-Continent Coal and Coke Company
Source Address:	3001 Dickey Road, East Chicago, Indiana 46312
Part 70 Permit No.:	T089-21801-00507
Facility:	Coke screening operation
Parameter:	Coke throughput
Limit:	Less than 99,390 198,780 tons per twelve (12) consecutive month period with compliance determined at the end of each month

The changes listed below have been made to Part 70 Operating Permit No. T 089-21801-00507, issued on December 15, 2006. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

2. The last sentence of original Condition C.3 – Open Burning, was deleted because the provisions of 326 IAC 4-1-3 (a)(2)(A) and (B) are federally enforceable and are included in Indiana's State Implementation Plan (SIP).

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

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

3. Several of IDEM's branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch". The permit has been revised as follows:

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

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

4. The source is subject to 326 IAC 6.8-8. Therefore the following condition is being included in Section C. All subsequent C conditions are being re-numbered.

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

- (a) Pursuant to 326 IAC 326 IAC 6.8-8-1, the source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) shall submit to IDEM and maintain at source a copy of the Continuous Compliance Plan (CCP). The source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) 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 source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) 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 source (ArcelorMittal Indiana Harbor, LLC, Plant ID 089-00318) shall submit the updated CCP, if required to IDEM, OAQ no later than 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.

5. IDEM will reference 326 IAC 2 in Section B-Source Modification Requirements, rather than specific construction rule.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] ~~[326 IAC 2-2-2] [326 IAC 2-3-2]~~

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

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

6. IDEM will not list the submission date of the Fugitive Dust Plan because the plan has been included with the permit and requires permit action to change the plan.

C.6 Fugitive Dust Emissions [326 IAC 6.8-10]

...

- (c) The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the **attached** Fugitive Dust Plan, ~~submitted July 31, 2002 and included in Appendix A.~~

7. IDEM changed the language of the General Record Keeping and General Reporting conditions to allow the Permittee to not have to begin implementing the requirements of these conditions until ninety day after initial start up.

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

...

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

C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

...

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

IDEM, OAQ has made model changes to some of the B, C and D permit conditions to clarify the intent of these conditions. Therefore, IDEM, OAQ has made revisions to the permit as described below, with deleted language as ~~strikeouts~~ and new language **bolded**.

8. The phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timelines have been switched to "no later than" or "not later than" except for the timelines in, Condition B.11 (Emergency Provisions), and Condition B.24 (Annual Fee Payment). The underlying rules state "within."

The permit conditions affected by this change include the following: Condition B.10 (Preventive Maintenance Plan), Condition C.11 (Compliance Monitoring), Condition C.15 (Emergency Reduction Plans) Condition C.18 (Actions Related to Noncompliance Demonstrated by a Stack Test), Condition C.21 (General Reporting Requirements), Condition D.1.6 (Record Keeping Requirements), and Condition D.1.7 (Reporting Requirements). The changes made to the conditions are shown with deleted language as ~~strikeouts~~ and new language **bolded**.

"~~...within~~ **no later than**..." or "~~...within~~ **not later than**..."

9. 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official."
10. IDEM has clarified the rule requirements a certification needs to meet.

The permit conditions affected by this change include the following Conditions: B.9 (Annual Compliance Certification), B.10 (Preventive Maintenance Plan), B.11 (Emergency Provisions), B.16 (Permit Modification, Reopening, Revocation and Reissuance, or Termination), B.17 (Permit Renewal), B.18 (Permit Amendment or Modification), B.20 (Operational Flexibility), B.23 (Transfer of Ownership or Operational Control), C.8 (Asbestos Abatement Projects), C.9 (Performance Testing), C.11 (Compliance Monitoring), C.15 (Emergency Reduction Plans), C.18 (Actions Related to Noncompliance Demonstrated by a Stack Test), C.19 (Emission Statement), C.21 (General Reporting Requirements), and D.1.7 (Reporting Requirements).

The changes made to the conditions are shown with deleted language as ~~strikeouts~~ and new language **bolded**.

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

- (a) Section B - Permit Amendment or Modification has been revised with deleted language as ~~strikeouts~~ and new language **bolded**.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (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
Permits Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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).

- (b) Section B - Transfer of Ownership or Operational Control has been revised with deleted language as ~~strikeouts~~ and new language **bolded**.

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

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

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

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

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).

11. IDEM has removed the last sentence dealing with the need for certification from the following forms: The Emergency Occurrence Report, Part 70 Quarterly Report, and the Quarterly Deviation and Compliance Monitoring Report because the Conditions requiring the forms already address this issue.

12. Section B -Duty to Provide Information has been revised with deleted language as ~~strikeouts~~ and new language **bolded**.

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

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

13. To clarify that Section B - Certification only states what a certification must be IDEM has revised the condition with deleted language as ~~strikeouts~~ and new language **bolded**.

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

- (a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that,~~ **A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:**

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

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

- (b) ~~One (1) certification shall be included, using~~ **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.

14. IDEM has added a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans developed. IDEM has clarified other aspects of Section B - Preventive Maintenance Plan.

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) ~~within~~ **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 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 ~~thea~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~thea~~ "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions ~~or potential to emit~~. ~~The PMPs and their submittal do not require thea certification that meets the requirements of 326 IAC 2-7-6(1) by thea "responsible official" as defined by 326 IAC 2-7-1(34).~~
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

15. IDEM, OAQ is revising Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-7-5(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

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

...

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

16. Having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviations from Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report.

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

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

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

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

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

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

~~C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]
[326 IAC 2-2][326 IAC 2-3]~~

- ~~(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported **except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.** This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include ~~the~~ **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 report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to **address for report submittal is:**~~

~~...~~

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

~~...~~

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

...

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

...

17. IDEM will state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.

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

...

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have 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.

18. IDEM will state that no notice is required for approved changes in Section B - Permit Revision Under Economic Incentives and Other Programs.

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

- (a) No Part 70 permit revision **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.

19. IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.

C.2 Opacity [326 IAC 5-1]

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

20. IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.

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

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

21. IDEM, OAQ has changed the title, order, and wording of the condition formerly entitled Section C - Fugitive Dust Emissions to match 326 IAC 6.8-10-3.

C.6 Fugitive ~~Dust~~ **Particulate Matter** Emissions [326 IAC 6.8-10-3]

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

- ~~(1a)~~ The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

- (2b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (3c) ~~The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).~~ **The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.**
- (4d) 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.
- (5e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (6f) 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.
- (7g) 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:**
 - (81) 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.
 - (92) The PM10 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 PM₁₀ 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 crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.**
 - (5) **The opacity of fugitive particulate emission from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).**
- (40i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- ~~(11) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)) shall meet a twenty percent (20%), three (3) minute average opacity standard.~~
- ~~(12) PM10 emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity.~~
- ~~(13) Fugitive particulate matter from the material processing facilities shall not exceed ten percent (10%) opacity.~~
- (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.**
- (143) 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) (formerly 326 IAC 6-1-11.1(d)(9)).

~~Material processing facilities include crushers, screens, grinders, mixers, dryers, belt conveyors, bucket elevators, bagging operations, storage bins, and truck or railroad car loading stations.~~

- (k) **Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)) shall meet a twenty percent (20%), three (3) minute average opacity standard.**
- ~~(b) The Permittee is subject to 326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (formerly 326 IAC 6-1-11.2(h), (i), (k), (l), (m), (o), (p) and (q) (Lake County Particulate Matter Contingency Measures)) because it is subject to the requirements of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).~~
- ~~(e) The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust **Control** Plan.~~

22. IDEM has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.

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

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

A 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

23. IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been changed to clearly indicate that it is the Permittee that must follow the requirements of the condition.

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

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, **the Permittee shall be allowed up to** ~~shall be implemented within ninety (90) days of from the date of permit issuance or ninety (90) days of initial start-up, whichever is later, to begin such monitoring.~~ ~~If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.~~ **If due to circumstances beyond its the Permittee's control, that any monitoring equipment required by this permit cannot be installed and operated within 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:

24. IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.

C.13 Reserved Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

25. IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

C.17 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

- (a) ~~Upon detecting an excursion or exceedance,~~ **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 ~~and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions).~~ **Corrective actions The response** may include, but **are 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 ~~within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable~~ **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** ~~maintain the following records~~ **the reasonable responses steps taken.** ÷
- ~~(1) monitoring data;~~
 - ~~(2) monitor performance data, if applicable; and~~
 - ~~(3) corrective actions taken.~~

26. IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test
~~[326 IAC 2-7-5]~~**[326 IAC 2-7-6]**

-
- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, ~~the Permittee shall take appropriate response actions. The Permittee shall submit a description of its these response actions to IDEM, OAQ, within no later than thirty (30) days of receipt of the test results~~ **seventy-five (75) days after the date of the test.** ~~The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.~~
 - (b) A retest to demonstrate compliance shall be performed ~~within~~ **no later than** one hundred ~~eighty (180) twenty (120) of receipt of the original test results~~ **days after the date of the test.** Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~eighty (180) twenty (120) days~~ is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

- 27. Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.

C.19 Emission Statement

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

- ~~(a) Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 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:~~

~~...~~

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

- 28. The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]
~~[326 IAC 2-2][326 IAC 2-3]~~

~~...~~

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

- 29. IDEM has simplified the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

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

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

- ~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~
- ~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~
- ~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

30. For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", "in accordance with Section C", or other similar language, to "Section ... contains the Permittee's obligations with regard to the ... required by this condition."

Sections D.1.2 and D.1.5 have been revised to remove the "in accordance with" reference from these conditions.

D.1.2 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventative Maintenance Plan, in accordance with Section B — Preventative Maintenance Plan, of this permit is required for these facilities and any control devices.~~
Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventative maintenance plan required by this condition.

D.1.46 Visible Emissions Notations

...

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

31. The word "status" has been added to Section D - Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

D.1.68 Reporting Requirements

...

- (b) ~~A quarterly summary of the information to document compliance with Conditions D.1.1(a) and D.1.1(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported.~~ **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The reports submitted by the Permittee ~~does require the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official," as defined by 326 IAC 2-7-1 (34).
- (c) ~~A quarterly summary of the information to document compliance with Condition D.1.1(b) submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. 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).~~

32. The word "status" has been added to Section D - Record Keeping Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

D.1.57 Record Keeping Requirements

- (a) To document **the compliance status** with Condition D.1.46, the Permittee shall maintain records of visible emission notations of the hoppers, the screen, and the conveyor transfer points once per day.
 - (b) In order to demonstrate **the compliance status** with Conditions D.1.1(ac), the Permittee shall maintain records of coke processed.
 - (c) In order to demonstrate **the compliance status** with Conditions D.1.1(bd), the Permittee shall maintain records of the diesel fuel usage.
-
- (d) Pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the Permittee shall keep the following documentation to show **the compliance status** with each of its control measures and control practices:
 - (1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.
 - (2) For each application of water or chemical solution to roadways, the following shall be recorded:
 - (A) The name and location of the roadway controlled
 - (B) Application rate
 - (C) Time of each application
 - (D) Width of each application
 - (E) Identification of each method of application
 - ...
 - (e) To document **the compliance status** with Condition D.1.4, the Permittee shall maintain records of the chemical analysis of the metallurgical material.
 - (f) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit~~ **contains the Permittee's obligations with regard to the records required by this condition.**

33. The phrase "of this permit" has been added to the paragraph of the Quarterly Deviation and Compliance Monitoring Report to match the underlying rule.

Page 1 of 2

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

34. IDEM, OAQ has removed all references to the source mailing address from the permit. The Certification form, the Quarterly Report forms, the Emergency Occurrence Report form, the Quarterly Deviation and Compliance Monitoring Report form and Condition A.1 have all been revised as a result of this change. IDEM, OAQ will continue to maintain records of the mailing address.
35. IDEM, OAQ has updated Condition A.2.

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

ArcelorMittal Indiana Harbor, LLC (formerly known as Mittal Steel, and previously ISG-Indiana Harbor, Inc.), is a fully integrated steelmaking and finishing facility consisting of a source with on-site contractors:

- (a) **ArcelorMittal Indiana Harbor, LLC, formerly known as Mittal Steel and ISG-Indiana Harbor, Inc.**, (Plant ID No.: 089-00318), the primary operation, located at 3001 Dickey Road, East Chicago, Indiana 46312; and
- (b) Mid-Continent Coal and Coke Company (Plant ID No.: 089-00507), the on-site contractor (a metallurgical coke screening plant), located at 3001 Dickey Road, East Chicago, Indiana 46312.

Separate Part 70 Permits were prepared for ~~Mittal Steel~~ **ArcelorMittal Indiana Harbor, LLC** and MCCC solely for administrative purposes. For permitting purposes, ~~Mittal Steel~~ **ArcelorMittal Indiana Harbor, LLC** is assigned Permit No.: 089-7099-00318 (issued December 7, 2004) and MCCC is assigned Permit No.: 089-21801-00507 (this permit), and Permit Nos.: T089-19852-00504 and T089-21729-05224 for the other two (2) MCCC contractors on this site, which are pending.

36. IDEM, OAQ has clarified Section B - Certification to be consistent with the rule.

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

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

36. The word "portable" has been removed from the permit because this is a stationary source. All references to the source as "portable" have been changed to "stationary."
37. Lake County was re-designated on May 11, 2010 as attainment by the EPA. On June 3, 2010, the Indiana Air Pollution Control Board will finalize a temporary emergency rule to re-designate Lake and Porter Counties as attainment for the 8-hour ozone standard. Therefore all references to Emission Offset have been removed from the permit. In addition, the permit has been revised as follows:

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

The Permittee owns and operates a stationary metallurgical coke screening plant.

Source Address:	3001 Dickey Road, East Chicago, Indiana 46312
General Source Phone Number:	(708) 798-1100
SIC Code:	5052
County Location:	Lake
Source Location Status:	Nonattainment for SO ₂ , the 8-hour Ozone standard, and PM _{2.5} Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD and Emission Offset Rules; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

Conclusion and Recommendation

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 089-29061-00507. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.

**Appendix A: Emissions Calculations
PTE Summary**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Emission Units	Limited PTE (tons/year) Before Modification						
	PM	PM10	PM2.5	SO2	NOx	VOC	CO
Unloading Raw Coke	14.910	9.940	9.940	-	-	-	-
Screening and Conveying				-	-	-	-
Loading Finished Coke				-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	1.209	0.308	0.031	-	-	-	-
Internal Combustion Engines	1.760	1.760	1.760	1.640	24.800	1.976	5.344
Worst Case Total	19.949	13.043	11.886	1.640	24.800	1.976	5.344

¹ The Limited PTE before the Modification is based on Part 70 operating permit No. T089-21801-00507, issued on December 15, 2006.

Emission Units	Limited PTE (tons/year) After Modification						
	PM	PM10	PM2.5	SO2	NOx	VOC	CO
Unloading Raw Coke	0.094	0.045	0.007	-	-	-	-
Screening and Conveying	12.424	4.323	4.323	-	-	-	-
Loading Finished Coke	0.094	0.045	0.007	-	-	-	-
Fugitive Emissions from Coke Storage Piles	2.070	1.035	0.155	-	-	-	-
Unpaved Roads	2.418	0.616	0.062	-	-	-	-
Internal Combustion Engines	1.760	1.760	1.760	1.640	24.800	1.976	5.344
Worst Case Total	18.860	7.824	6.314	1.640	24.800	1.976	5.344

**Appendix A: Emission Calculations
Particulate Emissions**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Coke Processing Operations (Uncontrolled)

Unit	Capacity (tons/hr)	Throughput (tons/yr)	^{1,2} Uncontrolled EFs (lb/ton)			Uncontrolled Emissions (tpy)		
			PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
One (1) coke screen	50	438,000	0.025	0.0087	0.0087	5.475	1.905	1.905
One (1) conveyor	50	438,000	0.025	0.0087	0.0087	5.475	1.905	1.905
One (1) conveyor	50	438,000	0.025	0.0087	0.0087	5.475	1.905	1.905
One (1) conveyor	50	438,000	0.025	0.0087	0.0087	5.475	1.905	1.905
One (1) conveyor	50	438,000	0.025	0.0087	0.0087	5.475	1.905	1.905
Total Emissions (tpy):						27.375	9.527	9.527

Coke Processing Operations (³Limit before modification and PTE of modification)

Limited throughput = 99,390 ton/year

Unit	Capacity (tons/hr)	Throughput (tons/yr)	² Uncontrolled EFs (lb/ton)			³ Limited Emissions (tpy)		
			PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
One (1) coke screen	-	99,390	0.025	0.0087	0.0087	1.242	0.432	0.432
One (1) conveyor	-	99,390	0.025	0.0087	0.0087	1.242	0.432	0.432
One (1) conveyor	-	99,390	0.025	0.0087	0.0087	1.242	0.432	0.432
One (1) conveyor	-	99,390	0.025	0.0087	0.0087	1.242	0.432	0.432
One (1) conveyor	-	99,390	0.025	0.0087	0.0087	1.242	0.432	0.432
Total Emissions (tpy):						6.212	2.162	2.162

Coke Processing Operations (Limited After modification)

Limited throughput = 198,780 ton/year

Unit	Capacity (tons/hr)	Throughput (tons/yr)	² Uncontrolled EFs (lb/ton)			Uncontrolled Emissions (tpy)		
			PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
One (1) coke screen	-	198,780	0.025	0.0087	0.0087	2.485	0.865	0.865
One (1) conveyor	-	198,780	0.025	0.0087	0.0087	2.485	0.865	0.865
One (1) conveyor	-	198,780	0.025	0.0087	0.0087	2.485	0.865	0.865
One (1) conveyor	-	198,780	0.025	0.0087	0.0087	2.485	0.865	0.865
One (1) conveyor	-	198,780	0.025	0.0087	0.0087	2.485	0.865	0.865
						12.424	4.323	4.323

Note 1: Pursuant to SPM No. 089-15497-05217, issued on February 3, 2003 and pursuant to T089-21801-00507, issued on December 15, 2006, the PM emission factor for screening and conveying (0.09lb/ton) was from the AIRS Facility Subsystem Source Classification Codes. These emission factors have been updated according to AP-42 Chapter 12.2 Coke Production.

Note 2: Pursuant to AP-42 Chapter 12.2 Coke Production, Table 12.2-18, emissions from material transfers between conveyors and from screening operations that are controlled by wet suppression techniques can be estimated using the procedures in Section 11.19.2. The source will be required to use wet suppression in order to use the emission factors from AP-42 Crushed Stone Processing Operations. The emission factor for screening (SCC 3-05-020-02, 03) from Table 11.19-2-2 (AP-42 Chapter 11.19) is used for both screening and conveying because the source will need to test to verify this emission factor and using the screening emission factor is the most conservative.

Note 3: Pursuant to 089-15497-05217, issued February 3, 2003, the Permittee shall limit the coke throughput to the coke screening operation to less than 99,390 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The source requested to increase the coke throughput to the coke screening operation to less than 198,780; therefore the uncontrolled PTE of the proposed modification is equal to the limited emissions due to coke processing prior to the modification because the increase in coke throughput is 99,390 tons per year.

Methodology

Emission Factors based on AP-42 Crushed Stone Processing Operations, 11.19.2, Table 11.19.2-2, Date 08/04

Uncontrolled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton)

Controlled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton) * (1 - Control Efficiency)

**Appendix A: Emissions Calculations
Particulate Emissions from Storage, Loading, and Unloading**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

1. Storage Piles

Storage pile emissions, which result from wind erosion, are determined by the following

$$E_f = 1.7 (s/1.5) * (365-p) / 235 * (f/15)$$

$$= \frac{5.67}{lb/ac/day}$$

where:

s =	4.9	% silt content of material
p =	125	days of rain greater than or equal to 0.01 inches
f =	15	% of wind greater than or equal to 12 mph

Storage capacity (SC) of site (tons) = (# acres)*(43560 sqft/acre)*(25 ft high)*(1/40 ton/cuft)
¹Storage capacity (SC) of site (tons) = 54450

$$PTE \text{ of PM (tons/year)} = E_f * SC * (40 \text{ cuft/ton}) * 365 \text{ day/yr} / (2000 \text{ lb/ton} * 43560 \text{ sqft/acre} * 25 \text{ ft})$$

PTE of PM (tons/year) = 2.07
PTE of PM10 (tons/year) = 1.04 PM10 = 50% of PM per AP-42, 13.2.5-3 (11/06)
PTE of PM2.5 (tons/year) = 0.16 PM2.5 = 7.5% of PM per AP-42, 13.2.5-3 (11/06)

Note 1: The storage capacity of the source is 2 acres, the storage capacity will not change as a result of this modification.

Methodology

The equations are from AP-42, Fourth Edition, Section 11.2.3 (5/83).
 This section of AP-42 has been superceded with a revised version at Section 13.2.4.
 The revised Section 13.2.4 does not offer wind erosion estimation equations.

2. Material Loading and Unloading

Pursuant to SPM No. 089-15497-05217, issued on February 3, 2003 and pursuant to T089-21801-00507, issued on
 Pursuant to AP-42 Chapter 12.2 Coke Production, Table 12.2-18, emissions from material loading and unloading can be estimated using
 the procedures in Section 13.2.4.

$$EF \text{ (lb/ton)} = k * (0.0032) * (U/5)^{1.3} / (M/2)^{1.4}$$

where:

k value for:		
PM	PM10	PM2.5
0.74	0.35	0.053

U value =	10	mph
M value =	12	%
Maximum capacity =	438,000	tons
² Limited capacity before modification and capacity of	99,390	tons
³ Limited capacity after modification =	198,780	tons
PM EF =	4.75E-04	lb/ton
PM10 EF =	2.24E-04	lb/ton
PM2.5 EF =	3.40E-05	lb/ton

Note 2: Pursuant to 089-15497-05217, issued February 3, 2003, the Permittee shall limit the coke throughput to the coke
 Note 3: The limited coke throughput to the coke screening operation after the modification is 198,780 tons per twelve (12)

Methodology

$$\text{Uncontrolled PTE of PM/PM10/PM2.5 (tons/yr)} = EF \text{ (lb/ton)} * \text{Maximum Capacity (tons)} * 1/2000 \text{ ton/lb} * 2 \text{ (for loading and unloading)}$$

Uncontrolled **PTE of PM (tons/yr) = 0.208** **PTE of PM10 (tons/yr) = 0.098** **PTE of PM2.5 (tons/yr) = 0.015**

$$^2\text{Limited PTE before modification and of modification of } EF \text{ (lb/ton)} * ^2\text{Limited Capacity (tons)} * 1/2000 \text{ ton/lb} * 2 \text{ (for loading and unloading)}$$

Before Modification **PTE of PM (tons/yr) = 0.047** **PTE of PM10 (tons/yr) = 0.022** **PTE of PM2.5 (tons/yr) = 0.003**

$$^3\text{Limited PTE after modification of PM/PM10/PM2.5 (tons/yr)} = EF \text{ (lb/ton)} * ^3\text{Limited Capacity (tons)} * 1/2000 \text{ ton/lb} * 2 \text{ (for loading and unloading)}$$

After Modification **PTE of PM (tons/yr) = 0.094** **PTE of PM10 (tons/yr) = 0.045** **PTE of PM2.5 (tons/yr) = 0.007**

Appendix A: Emissions Calculations
Potential Emissions from Internal Combustion Engines

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Generators

Total Output (hp)	Unlimited hp-hr/yr
344.0	3,013,440

Pollutant	PM	PM-10	PM-2.5	SO ₂	VOC	CO	NO _x
Emission Factor (lb/hp-hr)	2.20E-03	2.20E-03	2.20E-03	2.05E-03	2.47E-03	6.68E-03	3.10E-02
Potential Emissions (tons/yr)	3.31	3.31	3.31	3.09	3.72	10.06	46.71

Emission Factors are from AP-42, Chapter 3.3, Table 3.3-1, SCC# 2-02-001-02 and 2-03-001-01, assuming PM₁₀ = PM_{2.5} = PM.
 hp-hr/yr = hp * 8760 hr/yr

Methodology

Emissions (tons/yr) =(Unlimited hp-hr/yr) x Emission Factor (lb/hp-hr) / 2000 lbs/ton

Appendix A: Emissions Calculations
Limited Emissions from Internal Combustion Engines

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Fuel Limit (kgal/year)	Limited Output (hp-hour/year)
80	1,600,000

Generators

Pollutant	PM	PM-10	PM-2.5	SO2	VOC	CO	NOx
Emission Factor (lb/hp-hr)	2.20E-03	2.20E-03	2.20E-03	2.05E-03	2.47E-03	6.68E-03	3.10E-02
Limited Potential Emissions (tons/yr)	1.76	1.76	1.76	1.64	1.98	5.34	24.80

Pursuant to 089-15497-05217, issued February 3, 2003, the Permittee shall limit the diesel fuel usage to less than or equal to 80 Kilo-gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Pursuant to T089-21801-05217, issued on December 15, 2006, compliance with this limit renders the requirements of 326 IAC 2-2 (PSD) not applicable.

Emission Factors are from AP-42, Chapter 3.3, Table 3.3-1, SCC# 2-02-001-02 and 2-03-001-01, assuming PM10 = PM2.5 = PM.
 hp-hour/year = hp * 8760 hours/year

METHODOLOGY

Limited Output (hp-hr/yr) = fuel limit (kgal/yr) x 140,000 (Btu/gal) x 1000 (gal/kgal) x 1/7000 (hp-hr/Btu)

Limited Emission (tons/year) = Limited Output (hp-hour/year) * Emission Factor (lb/hp-hour) * 1 ton//2000 lbs

Appendix A: Emissions Calculations
Fugitive Dust Emissions - Unpaved Roads Prior to Modification

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (12/2003).

Maximum Limited Annual Coke Received = 99,390 tons/yr (coke throughput)

Maximum Limited Annual Coke Shipped = 99,390 tons/yr (coke throughput)

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trip/yr)	Total Weight driven per year (ton/yr)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/yr)
Receiving Truck Entering Full	Truck	18.0	22.0	40.0	4517.73	180709.1	150	0.028	128.34
Receiving Truck Leave Empty	Truck	18.0	0	18.0	4517.73	81319.1	150	0.028	128.34
Shipping Truck Entering Empty	Truck	18.0	0	18.0	4517.73	81319.1	150	0.028	128.34
Shipping Truck Leaving Full	Truck	18.0	22.0	40.0	4517.73	180709.1	150	0.028	128.34
Total					18071	524056			513.38

Average Vehicle Weight Per Trip = 29.0 tons/trip
 Average Miles Per Trip = 0.028 miles/trip

Unmitigated Emission Factor, $E_f = k \cdot (s/12)^a \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 sand and gravel processing plant road)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2)
W =	29.0	29.0	29.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	7.16	1.83	0.18	lb/mile
Mitigated Emission Factor, E_{ext} =	4.71	1.20	0.12	lb/mile
Dust Control Efficiency =	50%	50%	50%	wet suppression and Speed Limit of 5 mph

Process	Vehicle Type	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Receiving Truck Entering Full	Truck	0.46	0.12	0.01	0.30	0.08	0.01	0.15	0.04	0.004
Receiving Truck Leave Empty	Truck	0.46	0.12	0.01	0.30	0.08	0.01	0.15	0.04	0.004
Shipping Truck Entering Empty	Truck	0.46	0.12	0.01	0.30	0.08	0.01	0.15	0.04	0.004
Shipping Truck Leaving Full	Truck	0.46	0.12	0.01	0.30	0.08	0.01	0.15	0.04	0.004
Totals		1.84	0.47	0.05	1.21	0.31	0.03	0.60	0.15	0.015

Methodology

Maximum Annual Grain Throughput (tons/yr) = [Maximum Annual Grain Throughput (bushels/yr)] * [Bulk Density of Grain (tons/bushel)]
 Maximum Weight of Vehicle and Load (tons/trip) = [Maximum Weight of Vehicle (tons/trip)] + [Maximum Weight of Load (tons/trip)]
 Maximum trips per year (trip/yr) = [Throughput (tons/yr)] / [Maximum Weight of Load (tons/trip)]
 Total Weight driven per year (ton/yr) = [Maximum Weight of Vehicle and Load (tons/trip)] * [Maximum trips per year (trip/yr)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/yr) = [Maximum trips per year (trip/yr)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per year (ton/yr)] / SUM[Maximum trips per year (trip/yr)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/yr)] / SUM[Maximum trips per year (trip/yr)]
 Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency 1) * (1 - Dust Control Efficiency 2)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM 2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit

Appendix A: Emissions Calculations
Fugitive Dust Emissions - Unpaved Roads After to Modification

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (12/2003).

Maximum Limited Annual Coke Received = 198,780 tons/yr (coke throughput)

Maximum Limited Annual Coke Shipped = 198,780 tons/yr (coke throughput)

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trip/yr)	Total Weight driven per year (ton/yr)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/yr)
Receiving Truck Entering Full	Truck	18.0	22.0	40.0	9035.45	361418.2	150	0.028	256.69
Receiving Truck Leave Empty	Truck	18.0	0	18.0	9035.45	162638.2	150	0.028	256.69
Shipping Truck Entering Empty	Truck	18.0	0	18.0	9035.45	162638.2	150	0.028	256.69
Shipping Truck Leaving Full	Truck	18.0	22.0	40.0	9035.45	361418.2	150	0.028	256.69
Total					36142	1048113			1026.76

Average Vehicle Weight Per Trip = 29.0 tons/trip
 Average Miles Per Trip = 0.028 miles/trip

Unmitigated Emission Factor, $E_f = k \cdot (s/12)^a \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 sand and gravel processing plant road)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2)
W =	29.0	29.0	29.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	7.16	1.83	0.18	lb/mile
Mitigated Emission Factor, E_{ext} =	4.71	1.20	0.12	lb/mile
Dust Control Efficiency =	50%	50%	50%	wet suppression and Speed Limit of 5 mph

Process	Vehicle Type	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Receiving Truck Entering Full	Truck	0.92	0.23	0.02	0.60	0.15	0.02	0.30	0.08	0.008
Receiving Truck Leave Empty	Truck	0.92	0.23	0.02	0.60	0.15	0.02	0.30	0.08	0.008
Shipping Truck Entering Empty	Truck	0.92	0.23	0.02	0.60	0.15	0.02	0.30	0.08	0.008
Shipping Truck Leaving Full	Truck	0.92	0.23	0.02	0.60	0.15	0.02	0.30	0.08	0.008
Totals		3.68	0.94	0.09	2.42	0.62	0.06	1.21	0.31	0.031

Methodology

Maximum Annual Grain Throughput (tons/yr) = [Maximum Annual Grain Throughput (bushels/yr)] * [Bulk Density of Grain (tons/bushel)]
 Maximum Weight of Vehicle and Load (tons/trip) = [Maximum Weight of Vehicle (tons/trip)] + [Maximum Weight of Load (tons/trip)]
 Maximum trips per year (trip/yr) = [Throughput (tons/yr)] / [Maximum Weight of Load (tons/trip)]
 Total Weight driven per year (ton/yr) = [Maximum Weight of Vehicle and Load (tons/trip)] * [Maximum trips per year (trip/yr)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/yr) = [Maximum trips per year (trip/yr)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per year (ton/yr)] / SUM[Maximum trips per year (trip/yr)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/yr)] / SUM[Maximum trips per year (trip/yr)]
 Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency 1) * (1 - Dust Control Efficiency 2)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM 2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit

**Appendix A: Emissions Calculations
Fugitive Dust Emissions - Unpaved Roads**

Company Name: Mid-Continent Coal and Coke Company
Address City IN Zip: 3001 Dickey Road, East Chicago, Indiana 46312
Significant Permit Modification: 089-29061-00507
Reviewer: Sarah Conner, Ph. D.
Date: 3/30/2010

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (12/2003).

Maximum Annual Coke Received = 438,000 tons/yr (coke throughput)

Maximum Annual Coke Shipped = 438,000 tons/yr (coke throughput)

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trip/yr)	Total Weight driven per year (ton/yr)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/yr)
Receiving Truck Entering Full	Truck	18.0	22.0	40.0	19909.09	796363.6	150	0.028	565.60
Receiving Truck Leave Empty	Truck	18.0	0	18.0	19909.09	358363.6	150	0.028	565.60
Shipping Truck Entering Empty	Truck	18.0	0	18.0	19909.09	358363.6	150	0.028	565.60
Shipping Truck Leaving Full	Truck	18.0	22.0	40.0	19909.09	796363.6	150	0.028	565.60
Total					79636	2309455			2262.40

Average Vehicle Weight Per Trip = 29.0 tons/trip
 Average Miles Per Trip = 0.028 miles/trip

Unmitigated Emission Factor, $E_f = k \cdot (s/12)^a \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 sand and gravel processing plant road)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2)
W =	29.0	29.0	29.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$

Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	7.16	1.83	0.18	lb/mile
Mitigated Emission Factor, E_{ext} =	4.71	1.20	0.12	lb/mile
Dust Control Efficiency =	50%	50%	50%	wet suppression and Speed Limit of 5 mph

Process	Vehicle Type	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Receiving Truck Entering Full	Truck	2.03	0.52	0.05	1.33	0.34	0.03	0.67	0.17	0.017
Receiving Truck Leave Empty	Truck	2.03	0.52	0.05	1.33	0.34	0.03	0.67	0.17	0.017
Shipping Truck Entering Empty	Truck	2.03	0.52	0.05	1.33	0.34	0.03	0.67	0.17	0.017
Shipping Truck Leaving Full	Truck	2.03	0.52	0.05	1.33	0.34	0.03	0.67	0.17	0.017
Totals		8.10	2.06	0.21	5.33	1.36	0.14	2.66	0.68	0.068

Methodology

Maximum Annual Grain Throughput (tons/yr) = [Maximum Annual Grain Throughput (bushels/yr)] * [Bulk Density of Grain (tons/bushel)]
 Maximum Weight of Vehicle and Load (tons/trip) = [Maximum Weight of Vehicle (tons/trip)] + [Maximum Weight of Load (tons/trip)]
 Maximum trips per year (trip/yr) = [Throughput (tons/yr)] / [Maximum Weight of Load (tons/trip)]
 Total Weight driven per year (ton/yr) = [Maximum Weight of Vehicle and Load (tons/trip)] * [Maximum trips per year (trip/yr)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/yr) = [Maximum trips per year (trip/yr)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per year (ton/yr)] / SUM[Maximum trips per year (trip/yr)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/yr)] / SUM[Maximum trips per year (trip/yr)]
 Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency 1) * (1 - Dust Control Efficiency 2)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM 2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Carl Horst
Mid Continent Coal & Coke-contractor of ArcelorMit
915 W 175th St
Homewood, IL 60430

DATE: August 13, 2010

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

SUBJECT: Final Decision
Part 70
089-29061-00507

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

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

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

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

Final Applicant Cover letter.dot 11/30/07



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

August 13, 2010

TO: East Chicago Public Library

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

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

Applicant Name: Mid Continent Coal & Coke-contractor of ArcelorMittal
Permit Number: 089-29061-00507

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 08/13/2010 Mid Continent Coal & Coke-contractor of ArcelorMittal 089-29061-00507 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Carl Horst Mid Continent Coal & Coke-contractor of ArcelorMit 915 W 175th St Homewood IL 60430 (Source CAATS)										
2		Michael Gratson District Mgr Mid Continent Coal & Coke-contractor of ArcelorMit 915 W 175th St Homewood IL 60430 (RO CAATS)										
3		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
4		East Chicago Public Library 2401 E Columbus Dr East Chicago IN 46312-2998 (Library)										
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		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
9		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
10		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
11		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 (Affected Party)										
12		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
13		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)										
14		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)										
15		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										

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

Mail Code 61-53

IDEM Staff	CDENNY 08/13/2010 Mid Continent Coal & Coke-contractor of ArcelorMittal 089-29061-00507 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Anthony 2006 E. 140th Street East Chicago IN 46312 (Affected Party)										
2		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)										
3		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)										
4		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)										
5		Calumet Township Trustee 31 E 5th Avenue Gary IN 46402 (Affected Party)										
6		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)										
7		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)										
8		Mike Ahonen Bruce Carter Associates 616 South 4th Street Elkhart IN 46516 (Consultant)										
9		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 (Affected Party)										
10												
11												
12												
13												
14												
15												

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