



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: July 25, 2007  
RE: Mid-Continent Coal & Coke Company / 089-24204-05057  
FROM: Nisha Sizemore  
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 13-15-5-3, this permit 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 13-15-6-1(b) or IC 13-15-6-1(a) 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 of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

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 an initial Title V operating permit, permit renewal, 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.



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

## New Source Review and Part 70 Operating Permit OFFICE OF AIR QUALITY

### Mid-Continent Coal and Coke Company (Portable)

(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. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions

Operation Permit No.: T089-24204-05057	
Issued by/Original Signed By:  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: July 25, 2007  Expiration Date: July 25, 2012

## TABLE OF CONTENTS

<b>A. SOURCE SUMMARY.....</b>	<b>5</b>
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]	
<b>B. GENERAL CONDITIONS .....</b>	<b>7</b>
B.1 Definitions [326 IAC 2-7-1]	
B.2 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]	
B.3 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]	
B.4 Term of Conditions [326 IAC 2-1.1-9.5]	
B.5 Local Air Pollution Control Agencies	
B.6 Regional Air Pollution Control Offices	
B.7 Enforceability [326 IAC 2-7-7]	
B.8 Severability [326 IAC 2-7-5(5)]	
B.9 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.10 Duty to Provide Information [326 IAC 2-7-5(6)(E)]	
B.11 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]	
B.12 Annual Compliance Certification [326 IAC 2-7-6(5)]	
B.13 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.14 Emergency Provisions [326 IAC 2-7-16]	
B.15 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]	
B.16 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]	
B.17 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]	
B.18 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]	
B.19 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.20 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]	
B.21 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]	
B.22 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]	
B.23 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]	
B.24 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2] [326 IAC 2-3]	
B.25 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]	
B.26 Transfer of Ownership or Operational Control [326 IAC 2-7-11]	
B.27 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]	
B.28 Advanced Source Modification Approval [326 IAC 2 7 5(16)] [326 IAC 2-7-10.5]	
B.29 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]	
<b>C. SOURCE OPERATION CONDITIONS.....</b>	<b>21</b>
<b>Emission Limitations and Standards [326 IAC 2-7-5(1)]</b>	
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]	

## TABLE OF CONTENTS (Continued)

- C.5 Fugitive Dust Emissions [326 IAC 6-4]
- C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]
- C.7 Fugitive Dust Emissions [326 IAC 6.8-10-3]
- C.8 Lake County Particulate Matter Contingency Measures [326 IAC 6.8-11]
- C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

- C.10 Performance Testing [326 IAC 3-6]

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

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

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

- C.12 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]
- C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]
- 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 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
- C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
- C.17 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.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)] [326 IAC 2-6]
- C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]
- C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

### Portable Source Requirement

- C.21 Relocation of Portable Sources [326 IAC 2-14-4]

### Stratospheric Ozone Protection

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

## D.1. EMISSIONS UNIT OPERATION CONDITIONS - Portable Coke Screening Plant ..... 32

### Construction Conditions

#### General Construction Conditions

- D.1.1 Permit No Defense

#### Effective Date of the Permit

- D.1.2 Effective Date of the Permit [IC13-15-5-3]
- D.1.3 Modification to Construction Conditions [326 IAC 2]

### Operation Conditions

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

- D.1.4 PSD, Emission Offset, and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-3] [326 IAC 2-1.1-5]
- D.1.5 PM Limitations [326 IAC 6.8-1] [326 IAC 6.5-1] [326 IAC 6-3-2]

**TABLE OF CONTENTS (Continued)**

- D.1.6 Fugitive Particulate Matter [326 IAC 6.8-10]
- D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

**Compliance Determination Requirements**

- D.1.8 Particulate Matter (PM) [326 IAC 6.8-10-3]

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

- D.1.9 Visible Emissions Notations

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

- D.1.10 Record Keeping Requirements
- D.1.11 Reporting Requirements
- D.1.12 Reporting Requirements [326 IAC 6.8-10-4]

**D.2 EMISSIONS UNIT OPERATION CONDITIONS - Storage Tank..... 39**

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

- D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-9]

Certification .....	40
Emergency Occurrence Report .....	41
Part 70 Quarterly Report .....	43-44
Quarterly Deviation and Compliance Monitoring Report .....	45
Attachment A - Fugitive Dust Control Plan .....	47
Affidavit of Construction Form.....	48

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.3, 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 portable metallurgical coke screening plant.

Initial Source Address:	3600 Canal Street, East Chicago, Indiana 46312
Mailing Address:	915 West 175th Street, Homewood, Illinois 60430
General Source Phone Number:	(708) 798-1110
SIC Code:	5052
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Nonattainment for PM 2.5 standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source under PSD, Emission Offset, and Nonattainment NSR Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

---

There are three (3) coke handling facilities located at 3600 Canal Street, East Chicago, Indiana 46312:

- (a) RJR Drying, Inc., the primary operation, owns and operates a stationary coke handling and drying plant (Plant ID # 089-00360);
- (b) American Terminal, owns RJR Drying, Inc. (Plant ID # 089-00357); and
- (c) Mid-Continent Coal and Coke Company (MCCC), the supporting operation, owns and operates one (1) portable coke screening plant (Plant ID # 089-05057).

IDEM has determined that RJR Drying, Inc. and MCCC are one source under 326 IAC 2-7. These three (3) plants are considered one single source because they have a support relationship and are located on the same property.

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

---

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

- (a) One (1) portable metallurgical coke screening operation, constructed in 1996, with a maximum capacity of 60 tons of coke per hour, consisting of the following:
  - (1) One (1) steel hopper.
  - (2) One (1) single deck screen.
  - (3) One (1) triple-deck screen.

- (4) Nine (9) conveyors.
- (b) One (1) stacking system, identified as CS-1, approved for construction in 2007, with a maximum throughput rate of 200 tons per hour, consisting of the following:
  - (1) One (1) feed hopper.
  - (2) One (1) conveyor.
- (c) Two (2) diesel-fueled generators, approved for construction in 2007, each with a maximum power output of 125 horsepower. These generators are used units and were manufactured before April 1, 2006.
- (d) Unpaved roads.

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

- (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons, including one (1) diesel fuel storage tank, constructed in 1996, with a maximum capacity of 550 gallons. [326 IAC 8-9]
- (b) Other emission units, not regulated by a NESHAP, with PM<sub>10</sub>, NO<sub>x</sub>, and SO<sub>2</sub> emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) tons per year of any combination of HAPs, including four (4) storage piles, with a total maximum capacity of 60 tons of coke per hour. [326 IAC 6-4] [326 IAC 6-5] [326 IAC 6.8-10]

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

---

This portable 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 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]**

---

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

---

- (a) This permit, T089-24204-05057, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

### **B.4 Term of Conditions [326 IAC 2-1.1-9.5]**

---

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

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

### **B.5 Local Air Pollution Control Agencies**

---

- (a) If the portable asphalt plant seeks to move to an area under the jurisdiction of any applicable Local Air Pollution Control Agency (LAPCA), the LAPCA may enact additional air pollution control requirements. The Permittee should contact the LAPCA when planning to relocate into an applicable jurisdiction.
- (b) The Local Air Pollution Control Agencies are:

**Anderson**

Jurisdiction: Madison County

Anderson Office of Air Management  
P.O. Box 2100  
120 East 8th Street, Anderson, IN 46011  
(765) 648-6158 (765) 648-5924 (FAX)

**Evansville**

Jurisdiction: City of Evansville plus four (4) miles beyond the corporate limits  
but not outside Vanderburgh County

City of Evansville EPA  
C.K. Newsome Community Center  
100 East Walnut Street, Suite 100  
Evansville, IN 47713  
(812) 435-6145 (812) 435-6155 (FAX)

**Gary**

Jurisdiction: City of Gary

Gary Department of Environmental Affairs  
839 N. Broadway  
Gary, IN 46402  
(219) 882-3000 (219) 882-3012 (FAX)

**Hammond**

Jurisdiction: City of Hammond

Hammond Department of Environmental Management  
5925 Calumet Avenue  
Hammond, IN 46320  
(219) 853-6306 (219) 853-6343 (FAX)

**Indianapolis**

Jurisdiction: Marion County

Environmental Resources Management Division  
Administration Building  
2700 South Belmont Avenue  
Indianapolis, IN 46221  
(317) 327-2234 (317) 274-2274 (FAX)

**Vigo County**

Jurisdiction: Vigo County

Vigo County Air Pollution Control  
103 South Third Street  
Terre Haute, IN 47807  
(812) 462-3433 (812) 462-3447(FAX)

**B.6 Regional Air Pollution Control Offices**

---

- (a) If the portable asphalt plant seeks to move to an area under the jurisdiction of any applicable regional office, the Permittee should contact the regional office.

- (b) The regional offices are:

**Northern Regional Office**

Counties: Starke, Fulton, Marshal, St. Joseph, Elkhart, Kosciusko, LaGrange, Noble, DeKalb, Steuben

220 W. Colfax Avenue, Suite 200  
South Bend, IN 46601-1634  
1-800-753-5519  
(574) 245-4870 (574) 245-4877 (FAX)

**Northwest Regional Office**

Counties: Lake, Porter, LaPorte

8315 Virginia Avenue, Suite 1  
Merrillville, IN 46410-9201  
1-888-209-8892  
(219) 757-0265 (219)757-0267 (FAX)

**Southwest Regional Office**

Counties: Knox, Daviess, Martin, Gibson, Pike, DuBois, Orange, Crawford, Perry, Spencer, Warrick, Vanderburgh, Posey

1120 N. Vincennes Avenue  
P.O. Box 128  
Petersburg, IN 47567  
1-888-672-8323  
(812) 380-2305 (812) 436-2572 (FAX)

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

---

- (a) 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, any applicable local agency, (as described in Condition B.5 of this permit), the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by the applicable local agency.

**B.8 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.9 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.10 Duty to Provide Information [326 IAC 2-7-5(6)(E)]**

---

- (a) The Permittee shall furnish to IDEM, OAQ and any applicable local agency (as described in Condition B.5 of this permit), within a reasonable time, any information that IDEM, OAQ or the applicable local agency 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 or the applicable local agency copies of records required to be kept by this permit.

- (b) For information furnished by the Permittee to IDEM, OAQ and the applicable local agency, 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.11 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.12 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 Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

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

any applicable local agency (as described in Condition B.5 of this permit).

- (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 or any applicable local agency, 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 and any applicable local agency may require to determine the compliance status of the source.

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

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

---

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ and any applicable local agency (as described in Condition B.5 of this permit), upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and any applicable local agency. IDEM, OAQ or any applicable local agency may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.14 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, any applicable local agency (as described in Condition B.5 of this permit), and any applicable local agency (as described in Condition B.5 of this permit), 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,  
Telephone No.: 317-233-0178 (ask for Compliance Section)  
Facsimile No.: 317-233-6865

and any applicable local agency or regional office (as identified in Conditions B.5 and B.6 of this permit)

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

and

any applicable local agency (as identified in Condition B.5 of this permit)

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

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

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

(C) Corrective actions taken.

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

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

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ or any applicable local agency, 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 or any applicable local agency, 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 or any applicable local agency, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.16 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 T089-24204-05057 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.17 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.18 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 Data Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

any applicable local agency (as identified in Condition B.5 of this permit)

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

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

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

B.19 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ or any applicable local agency (as defined in Condition B.5 of this permit) 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 or any applicable local agency 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 or any applicable local agency at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or any applicable local agency may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.20 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 any applicable local agency (as identified in Condition B.5 of this permit), and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

and

any applicable local agency (as identified in Condition B.5 of this permit).

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

B.21 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  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

any applicable local agency (as identified in Condition B.5 of this permit).

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

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

**B.22 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]**  
**[326 IAC 2-7-12(b)(2)]**

---

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

**B.23 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  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

any applicable local agency (as identified in Condition B.5 of this permit).

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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

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

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

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

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

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

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, any applicable local agency, 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.24 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2] [326 IAC 2-3]**

---

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2

B.25 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, any applicable local agency, 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.26 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 Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

any applicable local agency (as defined in Condition B.5 of this permit)

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

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

B.27 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 and any applicable local agency (as defined in Condition B.5 of this permit) 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 or any applicable local agency 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.28 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

- (a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.29 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, when operating in any county other than Clark, Dearborn, Dubois, Howard, Lake, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties.

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

(a) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following when operating in areas not listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) 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.

(b) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following when operating in areas listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity from a facility located in Lake County shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period unless otherwise specified in 326 IAC 6-1-10.1. This opacity limit shall supersede the opacity limit contained in 326 IAC 5-1-2(2)(A), paragraph (b)(1) above.
- (3) 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 or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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).

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

---

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on June 12, 2003. The plan is included as Attachment A.

C.7 Fugitive Dust Emissions [326 IAC 6.8-10-3]

---

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

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on June 12, 2003.

C.8 Lake County Particulate Matter Contingency Measures [326 IAC 6.8-11]

---

The Permittee shall comply with the applicable provisions of 326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures) when located in Lake County.

C.9 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  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-52 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

any applicable local agency, (as identified in Condition B.5 of this permit)

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

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

- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana 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.10 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 test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

and

any applicable local agency, (as identified in Condition B.5 of this permit)

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and any applicable local agency (as defined in Condition B.5 of this permit) 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 and any applicable local agency, 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.11 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.12 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

---

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

and

any applicable local agency, (as identified in Condition B.5 of this permit)

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

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

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

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

---

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

### **C.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 be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

### **C.15 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.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 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 may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned 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.
- (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 maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

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

- (a) Pursuant to 326 IAC 2-6-3(a)(1), when operating in Lake or Porter Counties, the Permittee shall submit an annual emission statement by July 1.
- (b) Pursuant to 326 IAC 2-6-3(a)(2), when operating in counties other than Lake or Porter, the Permittee shall submit an emission statement, covering the previous calendar year, triennially by July 1, according to the schedule specified in 326 IAC 2-6-3(b).
- (c) 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

and

any applicable local agency (as identified in Condition B.5 of this permit).

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

- (d) 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, and any applicable local agency on or before the date it is due.

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. 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 or any applicable local agency makes a request for records to the Permittee, the Permittee shall furnish the records to the

Commissioner or any applicable local agency within a reasonable time.

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(II)) at an existing emissions unit, other than projects at a source with a Plant Wide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(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/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); 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.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

---

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

of this permit shall be submitted to:

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

and

any applicable local agency (as identified in Condition B.5 of this permit).

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit 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/or 326 IAC 2-3-1(II) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ and any applicable local agency:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

and

any applicable local agency (as identified in Condition B.5 of this permit).

- (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 or any applicable local agency. The general public may request this information from the IDEM, OAQ or any applicable local agency under 326 IAC 17.1.

### Portable Source Requirement

#### C.21 Relocation of Portable Sources [326 IAC 2-14-4]

---

- (a) This permit is approved for operation in all attainment and nonattainment areas for 8-hour ozone and PM<sub>2.5</sub> in Indiana. This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, Emission Offset requirements in 326 IAC 2-3, and Nonattainment NSR requirements in 326 IAC 2-1.1-5. Prior to locating in any nonattainment area, the Permittee must submit a request and obtain a permit revision.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:
- (1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1
  - (2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8

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

- (c) "Relocation Site Approval" letter shall be obtained prior to relocating.
- (d) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one the following:
- (1) Madison County - (Anderson Office of Air Management)
  - (2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)
  - (3) City of Gary - (Gary Department of Environmental Affairs)
  - (4) City of Hammond - (Hammond Department of Environmental Management)
  - (5) Marion County - (Indianapolis Office of Environmental Services)

- (6) Vigo County - (Vigo County Air Pollution Control)
- (e) A valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

### **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 the standards for recycling and emissions reduction:

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

## SECTION D.1 FACILITY OPERATION CONDITIONS - Portable Coke Screening Plant

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

- (a) One (1) portable metallurgical coke screening operation, constructed in 1996, with a maximum capacity of 60 tons of coke per hour, consisting of the following:
  - (1) One (1) steel hopper.
  - (2) One (1) single deck screen.
  - (3) One (1) triple-deck screen.
  - (4) Nine (9) conveyors.
- (b) One (1) stacking system, identified as CS-1, approved for construction in 2007, with a maximum throughput rate of 200 tons per hour, consisting of the following:
  - (1) One (1) feed hopper.
  - (2) One (1) conveyor.
- (c) Two (2) diesel-fueled generators, approved for construction in 2007, each with a maximum power output of 125 horsepower. These generators are used units and were manufactured before April 1, 2006.
- (d) Unpaved roads.

### Insignificant Activities:

- (b) Other emission units, not regulated by a NESHAP, with PM<sub>10</sub>, NO<sub>x</sub>, and SO<sub>2</sub> emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) tons per year of any combination of HAPs, including four (4) storage piles, with a total maximum capacity of 60 tons of coke per hour. [326 IAC 6-4] [326 IAC 6-5] [326 IAC 6.8-10]

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

## Construction Conditions

### General Construction Conditions

#### D.1.1 Permit No Defense

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

## Effective Date of the Permit

### D.1.2 Effective Date of the Permit [IC13-15-5-3]

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

### D.1.3 Modification to Construction Conditions [326 IAC 2]

All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2.

## Operation Conditions

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

#### D.1.4 PSD, Emission Offset, and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-3] [326 IAC 2-1.1-5]

In order to render the requirements of 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable when relocating to other PSD, Emission Offset, or Nonattainment NSR major sources, the Permittee shall comply with the following:

- (a) The PM/PM10 emissions from the emission units associated with the screening operation and the stacking system (CS-1) shall not exceed the emission limits listed in the table below:

Emission Units	PM Emission Limit (lbs/ton)	PM10 Emission Limit (lbs/ton)
Hopper	0.0088	0.0043
Single-Deck Screen	0.0022	0.00074
Triple-Deck Screen	0.0036	0.0022
Each Conveyor Transfer Point	0.00014	0.000046

- (b) The maximum throughput rate for the portable coke screening operation shall not exceed 525,600 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.
- (c) The maximum throughput rate for the stacking system (CS-1) shall not exceed 1,752,000 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.
- (d) The Permittee shall use wet suppression to control PM/PM10 emissions from the hopper, screens, conveyors, and unpaved roads as necessary to ensure that the coke processed has a moisture content greater than ten (10) percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-3, and 326 IAC 2-1.1-5. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the coke to ensure it has a moisture content greater than ten (10) percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

Combined with the emissions from the generators and other insignificant activities, the emissions from this portable plant are limited to less than 25 tons per year for PM and less than 15 tons per year for PM10. Therefore, the requirements of 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable when this portable coke screening

plant relocates to a PSD, Emission Offset, or Nonattainment NSR major source.

**D.1.5 PM Limitations [326 IAC 6.8-1] [326 IAC 6.5-1] [326 IAC 6-3-2]**

---

- (a) Pursuant to 326 IAC 6.8-1-2 (a), PM emissions from each hopper, screen, and conveyor shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf) when this plant is located in Lake County.
- (b) If this portable coke screening plant relocates to any source that is located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties and has one of the following:
  - (1) The potential to emit PM from the entire source, including this portable coke screening plant, is greater than 100 tons/yr; or
  - (2) The actual PM emissions from the entire source, including this portable coke screening plant, are greater than 10 tons/yr,

then the PM emissions from each hopper, screen, and conveyor shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf), pursuant to 326 IAC 6.5-1-2(a).

- (c) If this portable coke screening plant relocates to any source that is located in any county other than Clark, Dearborn, Dubois, Howard, Lake, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties, the particulate emissions from this portable coke screening plant will be subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) and particulate emissions from each of the emission units shall not exceed the limits listed in the table below:

Unit	Max. Process Rate (tons/hr)	Particulate Limit (lbs/hr)
Each of the Units at the Screening Operation	60	46.3
Each of the Units at the Stacking System	200	58.5

These limits were calculated using the following equation:

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

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

**D.1.6 Fugitive Particulate Matter [326 IAC 6.8-10]**

---

Pursuant to 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter), compliance with the opacity limits specified in Condition C.7 (Fugitive Dust Emissions) shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) included as Attachment A. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ or any applicable local agency (as defined in Condition B.5 of this permit) may request that the FDCP be revised and submitted for approval.

**D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

---

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

## Compliance Determination Requirements

### D.1.8 Particulate Matter (PM) [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (Particulate Matter Emission Limitations), 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 Lots

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 approximate 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 approximate right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures are 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 approximate 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 equipment shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.
- (j) **Dust Handling Equipment**  
Compliance with this standard shall be determined by 40 CFR 60, Appendix A, Method 9.

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

#### **D.1.9 Visible Emissions Notations**

---

- (a) Visible emission notations of the hoppers, the screens, 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 response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

### D.1.10 Record Keeping Requirements

---

- (a) To document compliance with Condition D.1.4(b), the Permittee shall maintain monthly records of the coke processed in the portable screening operation.
- (b) To document compliance with Condition D.1.4(c), the Permittee shall maintain monthly records of the coke processed in the stacking system.
- (c) In order to document compliance with Condition C.6 and pursuant to 326 IAC 6.8-10-4 (4) (Compliance Requirements; Control Plan), the source 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
    - (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 paragraph (2) above, the following:
    - (A) The name of the agent
    - (B) Location of application
    - (C) Application rate
    - (D) Total quantity of agent used
    - (E) If diluted, percent of concentration
    - (F) The material data safety sheets for each chemical
  - (4) A log recording incidents when control measures were not used and a statement of explanation.

- (5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.
- (d) To document compliance with Condition D.1.9, the Permittee shall maintain records of daily visible emission notations of the exhausts from the hopper, the screens, and the conveyor transfer points. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.11 Reporting Requirements

---

A quarterly summary of the information to document compliance with Conditions D.1.4(b) and D.1.4(c) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

#### D.1.12 Reporting Requirements [326 IAC 6.8-10-4]

---

Pursuant to 326 IAC 6.8-10-4 (4)(G) (Compliance Requirements; Control Plan), a quarterly report shall be submitted, stating the following:

- (a) The dates any required control measures were not implemented
- (b) A listing of those control measures
- (c) The reasons that the control measures were not implemented
- (d) Any corrective action taken

These reports shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.2 FACILITY OPERATION CONDITIONS – Storage Tank

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

- (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons, including one (1) diesel fuel storage tank, constructed in 1996, with a maximum capacity of 550 gallons. [326 IAC 8-9]

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

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

#### D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-9]

Pursuant to 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels), the Permittee shall comply with the following for the diesel fuel storage tank:

- (a) The owner or operator of each vessel shall maintain records for the life of the vessel for the following information:
- (1) The vessel identification number.
  - (2) The vessel dimensions.
  - (3) The vessel capacity.
- (b) A report containing the information described in (a) shall be submitted to IDEM, OAQ and any applicable local agency (as defined in Condition B.5 of this permit).

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

Source Name: Mid-Continent Coal and Coke Company  
Initial Source Address: 3600 Canal Street, East Chicago, Indiana 46312  
Mailing Address: 915 West 175th Street, Homewood, Illinois 60430  
Part 70 Permit No.: T089-24204-05057

**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 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  
Initial Source Address: 3600 Canal Street, East Chicago, Indiana 46312  
Mailing Address: 915 West 175th Street, Homewood, Illinois 60430  
Part 70 Permit No.: T089-24204-05057

**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 <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Mid-Continent Coal and Coke Company  
Initial Source Address: 3600 Canal Street, East Chicago, Indiana 46312  
Mailing Address: 915 West 175th Street, Homewood, Illinois 60430  
Part 70 Permit No.: T089-24204-05057  
Facility: Coke Screen Operation  
Parameter: Total Coke Processed  
Limit: Less than 525,600 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.

QUARTER :

YEAR:

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

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Mid-Continent Coal and Coke Company  
Initial Source Address: 3600 Canal Street, East Chicago, Indiana 46312  
Mailing Address: 915 West 175th Street, Homewood, Illinois 60430  
Part 70 Permit No.: T089-24204-05057  
Facility: Stacking System  
Parameter: Total Coke Processed  
Limit: Less than 1,752,000 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month.

QUARTER :

YEAR:

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

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION  
 PART 70 OPERATING PERMIT  
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Mid-Continent Coal and Coke Company  
 Initial Source Address: 3600 Canal Street, East Chicago, Indiana 46312  
 Mailing Address: 915 West 175th Street, Homewood, Illinois 60430  
 Part 70 Permit No.: T089-24204-05057

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

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

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

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

## **ATTACHMENT A**

### **FUGITIVE DUST CONTROL PLAN**

June 12, 2003  
American Terminal Plant  
Plant ID #089-05057

Primary Contact  
Carl Horst  
Manager of Operations  
915 W. 175th Street  
Homewood, Illinois 60430  
(708)798-1110  
Off-hours number (708)267-7198

#### **Roadway Control**

1. Traffic is restricted to established and controlled roadways.
2. Vehicular traffic is limited to 5 mph.
3. Roadways are inspected daily to determine if dust suppression is required.
4. Fresh aggregate is applied to entry roadway annually, to minimize exposed silt.
5. Water sprays used as needed to wet down road and suppress dust.

#### **Fines Stockpile Control Measures**

1. End loader bucket drop height is minimized to 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.

### Affidavit of Construction Form

Mail to: Permit Administration & Development Section

Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

#### Affidavit of Construction

I, \_\_\_\_\_, being duly sworn upon my oath, depose and say:  
(Name of the Authorized Representative)

1. I live in \_\_\_\_\_ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of \_\_\_\_\_ for \_\_\_\_\_.  
(Title) (Company Name)

3. By virtue of my position with \_\_\_\_\_, I have personal  
(Company Name)  
knowledge of the representations contained in this affidavit and am authorized to make  
these representations on behalf of \_\_\_\_\_.  
(Company Name)

4. I hereby certify that Mid-Continent Coal and Coke Company, 3600 Canal Street, East Chicago, Indiana 46312 completed construction of a stacking system (CS-1) and the emergency generators at a portable coke screening plant on \_\_\_\_\_ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on January 16, 2007 and as permitted pursuant to New Source Review and Part 70 Operating Permit No. 089-24204-05057, issued on \_\_\_\_\_.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature \_\_\_\_\_

Date \_\_\_\_\_

STATE OF INDIANA)  
)SS

COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to me, a notary public in and for \_\_\_\_\_ County and State of  
Indiana on this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

My Commission expires:

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (typed or printed)

# Indiana Department of Environmental Management Office of Air Quality

## Addendum to the Technical Support Document for a New Source Review and Part 70 Operating Permit

### Source Background and Description

Source Name:	Mid-Continent Coal and Coke Company
Initial Source Location:	3600 Canal Street, East Chicago, Indiana 46312
County:	Lake
SIC Code:	5052
Operation Permit No.:	T089-24204-05057
Permit Reviewer:	ERG/YC

On May 18, 2007, the Office of Air Quality (OAQ) had a notice published in the Post Tribune, Merrillville, Indiana, stating that Mid-Continent Coal and Coke Company had applied for a New Source Review and Part 70 Operating Permit to modify and operate a portable metallurgical coke screening plant. The notice also stated that OAQ proposed to issue a permit for this operation 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.

On June 19, 2007, Mr. David Donathen, on behalf of Mid-Continent Coal and Coke Company, submitted comments on the proposed Part 70 Operating Permit. The summary of the comments is as follows.

#### Comment 1:

The Permittee stated that the existing two (2) diesel engines listed in Significant Source Modification #089-14296-05057, issued on November 10, 2003, are actually front-end loaders, instead of fork lifts.

#### Response to Comment 1:

As discussed in the Technical Support Document (TSD), these two (2) engines are considered mobile sources and are not subject to air permitting requirements. Therefore, these units were not included in the draft permit. No change has been made in the permit as a result of this comment. In addition, no changes have been made to the TSD because the OAQ prefers that the TSD reflects the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Upon further review, the OAQ has decided to make the following revisions to the permit (Bolded language has been added while language with a line through it has been deleted):

1. For clarification purposes, Condition C.19 - General Record Keeping Requirements has been revised as follows:

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

---

...

- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(II)) at an existing emissions unit, **other than projects at a source with a Plant Wide Applicability Limitation (PAL)**, which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(mm)), the Permittee shall comply with following:

...

2. The rule citation for Condition B.7 - Enforceability should be 326 IAC 2-7-7. In addition, the local air pollution control agencies are listed under Condition B.5, not Condition B.4. Therefore, Condition B.7 has been revised as follows. The referral to Condition B.4 has been corrected to Condition B.5 throughout the whole permit.

B.7 Enforceability [326 IAC ~~2-8-6~~ 2-7-7]

---

- (a) 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, any applicable local agency, (as described in Condition ~~B.4~~ B.5 of this permit), the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

...

3. The local agencies are listed under Condition B.5 and the regional offices are listed under Condition B.6. Therefore, Condition B.14 has been corrected as follows:

B.14 Emergency Provisions [326 IAC 2-7-16]

---

...

- (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:

...

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, any applicable local agency (as described in Condition ~~B.4~~ B.5 of this permit), and any applicable local agency (as described in Condition ~~B.4~~ B.5 of this permit), 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 No.: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section) or,  
Telephone No.: 317-233-0178 (ask for Compliance Section)

Facsimile No.: 317-233-6865

and any applicable local agency or regional office (as identified in Conditions ~~B.4~~ and B.5 and **B.6** of this permit)

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

and

any applicable local agency (as identified in Condition ~~B.4~~ **B.5** of this permit)

...

4. Conditions C.2, C.21, D.1.5, D.1.6, and D.1.10 have been corrected as follows:

C.2 Opacity [326 IAC 5-1]

...

- (b) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following when operating in areas listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit:

...

- (2) Opacity from a facility located in Lake County shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period unless otherwise specified in 326 IAC 6-1-10.1. This opacity limit shall supersede the opacity limit contained in 326 IAC 5-1-2(2)(A), paragraph ~~(c)~~**(b)**(1) above.

...

C.21 Relocation of Portable Sources [326 IAC 2-14-4]

- (a) This permit is approved for operation **in** all attainment and nonattainment areas for 8-hour ozone and PM2.5 in Indiana. This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, ~~and~~ Emission Offset requirements in 326 IAC 2-3, **and Nonattainment NSR requirements in 326 IAC 2-1.1-5**. Prior to locating in any nonattainment area, the Permittee must submit a request and obtain a permit revision.

...

D.1.5 PM Limitations [326 IAC 6.8-1] [326 IAC 6.5-1] [326 IAC 6-3-2]

...

- (b) If this portable coke screening plant relocates to any source that is located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties and has one of the following:
- (a1) The potential to emit PM from the entire source, including this portable coke screening plant, is greater than 100 tons/yr; or
  - (b2) The actual PM emissions from the entire source, including this portable coke screening plant, are greater than 10 tons/yr,

...

D.1.6 Fugitive Particulate Matter [326 IAC 6.8-10]

Pursuant to 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter), compliance with the opacity limits specified in Condition ~~C.6~~ **C.7** (Fugitive Dust Emissions) shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) included as Attachment A. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ or any applicable local agency (as defined in Condition ~~B.4~~ **B.5** of this permit) may request that the FDCP be revised and submitted for approval.

D.1.10 Record Keeping Requirements

...

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

5. For clarification purposes, the fugitive dust control plan in attachment A has been revised as follows:

**Roadway Control**

...

5. Water sprays ~~from a truck~~ used as needed to wet down road and suppress dust.

**Fines Stockpile Control Measures**

1. End loader bucket ~~drip~~ **drop** height is minimized to lowest practical elevation.

...

6. This portable source could relocate to any nonattainment NSR major source. Therefore, Condition A.1 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 portable metallurgical coke screening plant.

Initial Source Address:	3600 Canal Street, East Chicago, Indiana 46312
Mailing Address:	915 West 175th Street, Homewood, Illinois 60430
General Source Phone Number:	(708) 798-1110
SIC Code:	5052
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Nonattainment for PM 2.5 standard

Source Status:

Attainment for all other criteria pollutants  
Part 70 Operating Permit Program  
Major Source, under PSD, ~~and~~ Emission Offset,  
**and Nonattainment NSR** Rules  
Major Source, Section 112 of the Clean Air Act  
1 of 28 Source Categories

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

**Technical Support Document (TSD) for a New Source Review  
and Part 70 Operating Permit**

**Source Background and Description**

Source Name:	Mid-Continent Coal and Coke Company
Initial Source Location:	3600 Canal Street, East Chicago, Indiana 46312
County:	Lake
SIC Code:	5052
Operation Permit No.:	T089-24204-05057
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit application from Mid-Continent Coal and Coke Company (referred to as "MCCC") relating to the operation of a portable metallurgical coke screening plant. This Part 70 operating permit contains provisions intended to satisfy the requirements of the construction permit rules.

**History**

This source has been operating under SSM #089-14296-05057, issued on November 10, 2003. IDEM originally issued this SSM because it allowed this portable coke screening plant to relocate to any source as a PSD or Emission Offset minor modification to the source to which it relocated. On January 16, 2007, MCCC submitted an application requesting to add two (2) diesel fueled generators and one (1) stacking system to this plant.

IDEM has decided to issue a Part 70 operating permit to MCCC, which will contain requirements to limit the total potential to emit from this portable coke screening plant to less than the PSD/Emission Offset Nonattainment NSR, major modification thresholds. This will allow this portable coke screening plant to relocate to any PSD Emission Offset or Nonattainment NSR major source without triggering PSD Emission Offset or Nonattainment NSR review.

**Source Definition**

As documented in the Technical Support Document for SSM #089-14296-05057, issued on November 10, 2003, the following coke handling facilities, located at 3600 Canal Street, East Chicago, Indiana 46312, are considered collocated because they have a support relationship and are located on the same property:

- (a) RJR Drying, Inc., the primary operation, owns and operates a stationary coke handling and drying plant (Plant ID # 089-00360);
- (b) American Terminal, owns RJR Dying, Inc. (Plant ID # 089-00357); and
- (c) MCCC, the supporting operation, owns and operates two (2) portable coke screening, sizing, and handling plants (Plant ID # 089-05057 and #089-05217).

Plant #089-05217 was relocated to 3001 Dickey Road, East Chicago, Indiana. A relocation approval #089-18449-05217 was issued on December 17, 2003. Currently, only plants # 089-00360, #089-00357, and #089-05057 are considered one (1) single source at the location of 3600 Canal Street, East Chicago, Indiana 46312.

Mittal Steel (Plant ID #089-00316, formerly Ispat Inland, Inc.) is a steel mill which is located in the adjacent property. However, less than 50% of the coke received at this source is from Mittal Steel. Therefore, MCCC (Plant ID #089-05057) and Mittal Steel do not have a supporting relationship and are considered two (2) separate sources. This determination was made in the review for SSM #089-14296-05057, issued on November 10, 2003 and will apply to this Part 70 operating permit.

### **Permitted Emission Units and Pollution Control Equipment**

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

- (a) One (1) portable metallurgical coke screening operation, constructed in 1996, with a maximum capacity of 60 tons of coke per hour, consisting of the following:
  - (1) One (1) steel hopper.
  - (2) One (1) single deck screen.
  - (3) One (1) triple-deck screen.
  - (4) Six (6) conveyors.
- (b) Two (2) diesel engines, identified as CAT 950 E (Serial # 22Z 04441) and CAT 950 E (Serial # 22Z 01451), constructed in 1996, each with a maximum capacity of 180 hp.
- (c) Unpaved roads.

### **Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted emission units operating at this source during this review process.

### **New Emission Units and Pollution Control Equipment Receiving Advanced Source Modification Approval**

The source consists of the following new emission units receiving New Source Review Approval during this review process:

- (a) One (1) stacking system, identified as CS-1, approved for construction in 2007, with a maximum throughput rate of 200 tons per hour, consisting of the following:
  - (1) One (1) feed hopper.
  - (2) One (1) conveyor.
- (b) Two (2) diesel-fueled generators, approved for construction in 2007, each with a maximum power output of 125 horsepower. These generators are used units and were manufactured before April 1, 2006.

### **Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons, including one (1) diesel fuel storage tank, constructed in 1996, with a maximum capacity of 550 gallons. [326 IAC 8-9]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

- (1) One (1) welding station, which consumes less than 625 pounds of rod or wire per day.
- (2) One (1) oxyacetylene cutting operation, which cuts less than 3,400 inches per hour of one inch thickness stock.
- (c) Other emission units, not regulated by a NESHAP, with PM<sub>10</sub>, NO<sub>x</sub>, and SO<sub>2</sub> emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) tons per year of any combination of HAPs, including four (4) storage piles, with a total maximum capacity of 60 tons of coke per hour. [326 IAC 6-4] [326 IAC 6-5] [326 IAC 6.8-10]

### Existing Approvals

The source has been operating under Significant Source Modification #089-14296-05057, issued on November 10, 2003.

All conditions from previous approvals were incorporated into this Part 70 permit except the following:

- (a) In a letter received on January 16, 2007, the Permittee indicated that there should be nine (9), instead of six (6), conveyors with the existing screening operation. The Permittee stated that this is a description error and no modification has occurred to the screening operation since it was constructed in 1996. The additional three (3) conveyors are considered insignificant units under Part 70 permit program.
- (b) Two (2) existing diesel engines (identified as CAT 950E) and the associated requirements have been removed from this permit because these units are actually fork lifts which are considered mobile sources and are not subject to air permitting requirements.
- (c) Upon further review, IDEM has determined that once per day visible emission notations are generally sufficient to ensure proper operation of the emission units. Therefore, the monitoring frequency has been changed from once per shift to once per day in this Part 70 permit.

### Enforcement Issue

There are no enforcement actions pending.

### Recommendation

The staff recommends to the Commissioner that the Part 70 operating permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 operating permit application for the purposes of this review was received on January 16, 2007. Additional information was received on March 1, 2007.

### Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 5).

### Uncontrolled Potential to Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions 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, the department, or the appropriate local air pollution control agency.”

This table reflects the PTE before controls from MCCC, Plant ID #089-05057. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	25.0
PM10	11.1
SO <sub>2</sub>	2.24
VOC	3.70
CO	7.31
NO <sub>x</sub>	33.9

Note: For the purpose of determining Title V applicability for particulates, PM10, not PM, is the regulated pollutant in consideration.

HAPs	Potential to Emit (tons/yr)
Total	Negligible

- (a) Although the potential to emit (as defined in 326 IAC 2-7-1(29)) of this portable coke screening plant is less than 100 tons per year for all criteria pollutants, less than 10 tons per year for a single HAP, and less than 25 tons per year for total HAP, MCCC has elected to receive a Part 70 operating permit for this portable coke screening plant. This permit will allow MCCC, Plant ID #089-05057 to relocate to any Part 70 major source.
- (b) Fugitive Emissions  
 Since this plant is a portable source and could be located at a source that is in one (1) of the twenty-eight (28) listed sources under 326 IAC 2-2, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

### County Attainment Status

The source is initially located in Lake County.

Pollutant	Status
PM2.5	Nonattainment
PM-10	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
8-hour Ozone	Nonattainment
CO	attainment
Lead	attainment

Note: On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Lake County to attainment for sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.

- (a) 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. VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and

NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

- (b) 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 law suit 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 guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Lake County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions  
 Since this plant is a portable source and could be located at a source that is in one (1) of the twenty-eight (28) listed sources under 326 IAC 2-2, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

**Potential to Emit of the Source**

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions 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, the department, or the appropriate local air pollution control agency."

The table below summarizes the potential to emit from the portable screening plant #089-05057, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the federally enforceable permit 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 (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Screening Operation	4.17	2.01	-	-	-	-	-
Stacking System	7.83	3.81	-	-	-	-	-
Generators	2.41	2.41	2.24	2.70	7.31	33.9	Negligible
Unpaved Roads (Fugitive)	Less than 5.27	Less than 1.40	-	-	-	-	-
Storage Piles (Fugitive)	0.12	0.06	-	-	-	-	-
Other Insignificant Activities	Negligible	Negligible	-	Less than 1.0	-	-	Negligible
Total PTE of the Entire Source	Less than 19.8	Less than 9.69	2.24	3.70	7.31	33.9	Negligible
Title V Thresholds	NA	100	100	100	100	100	10 for a single HAP and 25 for total HAPs
PSD/Emission Offset Significant Level	25	15	40	40	100	40	N/A

Note: "-" pollutant not emitted by the facility.

This portable screening plant (#089-05057) is currently considered collocated with RJR Drying, Inc. (#089-00360), which is operating under FESOP #089-14838-00360, issued on January 13, 2003. The total potential to emit of the entire source after the modification proposed in this permit is listed in the table below:

Process/Emission Unit	Potential To Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
MCCC # 089-05057 (portable)	Less than 19.8	Less than 9.69	2.24	3.70	7.31	33.9	Negligible
RJR Drying, Inc. (089-00360)*	Less than 34.9	Less than 34.9	0.02	0.20	3.13	3.72	Negligible
Total PTE of the Entire Source	Less than 54.7	Less than 44.6	2.26	3.90	10.4	37.6	Negligible
Title V Thresholds	NA	100	100	100	100	100	10 for a single HAP and 25 for total HAPs

Note: (\*) The potential to emit of the existing permitted units for Plant #089-00360 is from the Technical Support Document (TSD) for FESOP #089-14838-00360, issued on January 13, 2003.

Since the total PTE of the entire source is still less than 100 tons per year for all criteria pollutants, RJR Drying, Inc. will still retain their FESOP status after the issuance of this permit.

### Actual Emissions

The following table shows the actual emissions from the portable screening plant #089-05057. This information reflects the 2003 OAQ emission data.

Pollutant	Emissions (tons/year)
PM	12.0
PM-10	12.0
SO <sub>2</sub>	0
VOC	0
CO	0
NO <sub>x</sub>	0
A Single HAP	Not Reported
Total HAPs	Not Reported

### Part 70 Operating Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 operating permits.
- (b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

### Portable Source

- (a) Initial Location  
This is a portable source and its initial location is 3600 Canal Street, East Chicago, Indiana 46312.
- (b) PSD and Emission Offset Requirements  
The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD), 326 IAC 2-2, and Emission Offset, 326 IAC 2-3.
- (c) Fugitive Emissions  
Since this plant is a portable source and could be located at a source that is in one (1) of the twenty-eight (28) listed sources under 326 IAC 2-2, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this permit.
- (b) This portable screening plant processes coke only. Coke does not meet the definition of "nonmetallic mineral" in 40 CFR 60.671. Therefore, the New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants (40 CFR 60.670-676, Subpart OOO) are not included in this permit.
- (c) The diesel fuel storage tank has a capacity less than 75 cubic meters (19,813 gallons). Therefore, the New Source Performance Standards for Volatile Organic Liquid Storage Vessels for which construction, reconstruction, or modification commenced after July 23, 1984 (326 IAC 12, 40 CFR 60.110b - 117b, Subpart Kb) are not included in this permit.
- (d) The proposed two (2) emergency generators are used units and were manufactured before April 1, 2006. Therefore, the requirements of the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (326 IAC 12, 40 CFR 60.4200 - 4209, Subpart IIII) are not included in this permit.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in this permit.
- (f) The diesel-fueled generators at this source are not considered "Reciprocating Internal Combustion Engines" as defined in 40 CFR 63.6585. Therefore, the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (40 CFR 63.6580-6675, Subpart ZZZZ) are not included in this permit.
- (g) This portable coke screening plant does not involve a pollutant-specific emissions unit:
  - (1) with the potential to emit before controls equal to or greater than one hundred (100) tons per year, and
  - (2) that is subject to an emission limit and has a control device that is necessary to meet that limit.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not included in this permit.

### State Rule Applicability – Entire Source

326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (Nonattainment NSR)

This portable coke screening plant was constructed in 1996 and modified in 2007. This portable plant could collocate with any PSD, Emission Offset major source which is in 1 of the 28 source categories defined in 326 IAC 2-2-1. Lake County has been designated as nonattainment for PM<sub>2.5</sub>. IDEM will use the PM<sub>10</sub> nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM 2.5 NAAQS.

The total potential to emit of this portable plant before control is equal to 25 tons per year for PM. The potential to emit of this portable plant is less than 15 tons per year for PM<sub>10</sub>, less than 40 tons per year for SO<sub>2</sub>, VOC, and NO<sub>x</sub>, and less than 100 tons per year for CO. In order to be considered a PSD, Emission Offset, and Nonattainment NSR minor modification when relocating this portable screening plant to any PSD, Emission Offset, or Nonattainment NSR major source, the Permittee has elected to comply with the following:

- (a) The PM/PM<sub>10</sub> emissions from the emission units associated with the screening operation and the stacking system (CS-1) shall not exceed the emission limits listed in the table below:

Emission Units	PM Emission Limit (lbs/ton)	PM <sub>10</sub> Emission Limit (lbs/ton)
Hopper	0.0088	0.0043
Single-Deck Screen	0.0022	0.00074
Triple-Deck Screen	0.0036	0.0022
Each Conveyor Transfer Point	0.00014	0.000046

- (b) The maximum throughput rate for the portable coke screening operation shall not exceed 525,600 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month. This is equivalent the maximum capacity of the coke screening operation (60 tons/hr x 8,760 hrs/yr = 525,600 tons/yr).
- (c) The maximum throughput rate for the stacking system (CS-1) shall not exceed 1,752,000 tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month. This is equivalent the maximum capacity of the stacking system (200 tons/hr x 8,760 hrs/yr = 1,752,000 tons/yr). The stacking system and the portable screening operation operate independently.
- (d) The Permittee shall use wet suppression to control PM/PM<sub>10</sub> emissions from the hopper, screens, conveyors, and unpaved roads as necessary to ensure that the coke processed has a moisture content greater than ten (10) percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with 326 IAC 2-2, 326 IAC 2-3, and 326 IAC 2-1.1-5. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the coke to ensure it has a moisture content greater than ten (10) percent. The method for moisture content analysis shall be approved by IDEM, OAQ.

Combined with the PM/PM<sub>10</sub> emissions from the generators, insignificant activities, and fugitive sources, the emissions from this portable plant are limited to less than 25 tons per year for PM and less than 15 tons per year for PM<sub>10</sub>. Therefore, the requirement of 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable when this portable plant relocates to a PSD, Emission Offset, or Nonattainment NSR major source.

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

The potential to emit HAPs from this portable coke screening plant is less than the HAP major source thresholds. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

### 326 IAC 2-6 (Emission Reporting)

This portable source is currently located in Lake County and can relocate to any other county in Indiana. Since this source is required to operate under the Part 70 Permit Program, it is subject to the requirements in 326 IAC 2-6 (Emission Reporting). The potential to emit NO<sub>x</sub> from MCCC is greater than 25 tons per year.

Pursuant to 326 IAC 2-6-3(a)(1), when operating in Lake or Porter Counties, the Permittee shall submit an annual emission statement by July 1. Pursuant to 326 IAC 2-6-3(a)(2), when operating in counties other than Lake or Porter, the Permittee shall submit an emission statement triennially by July 1, according to the schedule specified in 326 IAC 2-6-3(b).

This statement must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6.

### 326 IAC 5-1 (Opacity Limitations)

(a) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following when operating in areas not listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) 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.

(b) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following when operating in areas listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity from a facility located in Lake County shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period unless otherwise specified in 326 IAC 6-1-10.1. This opacity limit shall supersede the opacity limit contained in 326 IAC 5-1-2(2)(A), paragraph (c)(1) above.
- (3) 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.

### 326 IAC 6-4 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-4, the source shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

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

This source is subject to the requirements of 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations) because it is a new source of particulate matter as described in 326 IAC 6-5-1(b). Pursuant to this rule, the Permittee shall control fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on June 16, 2003. This plan indicates that the fugitive emissions will be controlled by spraying the unpaved roads with water on an as-needed basis.

### 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter)

The portable coke screening operation is currently located in Lake County and it has the potential to emit fugitive particulate matter greater than five (5) tons per year. Therefore, this source is

subject to the requirements of 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter). Pursuant to 326 IAC 6.8-10-3 (Particulate Matter Emission Limitations), the particulate matter emissions from source wide activities shall meet the following requirements when located in Lake County:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero percent (0%) frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero percent (0%) frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on June 16, 2003. This plan indicates that the fugitive emissions will be controlled by spraying the unpaved roads with water on an as-needed basis.

#### *Compliance Determination Requirements*

Pursuant to 326 IAC 6.8-10-3 (Particulate Matter Emission Limitations), 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 Lots**  
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 approximate 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 approximate right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures are 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 approximate 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 equipment shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

- (j) Dust Handling Equipment  
Compliance with this standard shall be determined by 40 CFR 60, Appendix A, Method 9.

*Record Keeping Requirements*

- (a) Pursuant to 326 IAC 6.8-10-4 (4) (Compliance Requirements; Control Plan), the source 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
    - (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 paragraph (2) above, the following:
    - (A) The name of the agent
    - (B) Location of application
    - (C) Application rate
    - (D) Total quantity of agent used
    - (E) If diluted, percent of concentration
    - (F) The material data safety sheets for each chemical
  - (4) A log recording incidents when control measures were not used and a statement of explanation.
  - (5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.

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

*Reporting Requirements*

Pursuant to 326 IAC 6.8-10-4 (4)(G) (Compliance Requirements; Control Plan), a quarterly report shall be submitted, stating the following:

- (a) The dates any required control measures were not implemented
- (b) A listing of those control measures
- (c) The reasons that the control measures were not implemented
- (d) Any corrective action taken

These reports shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.

**326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures)**

The coke screening operation is currently located in Lake County and has the potential to emit PM10 greater than 10 tons/yr. Therefore, this source is subject to the requirements of 326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures) while located in this county.

**326 IAC 2-14-4 (Relocation of Portable Sources)**

- (a) This permit is approved for operation in all areas of Indiana. A thirty (30) day advance notice of relocation must be given to IDEM, OAQ, and a "Relocation Site Approval" letter must be obtained before relocating. The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one the following:
  - (1) Madison County - (Anderson Office of Air Management)
  - (2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)
  - (3) City of Gary - (Gary Department of Environmental Affairs)
  - (4) City of Hammond - (Hammond Department of Environmental Management)
  - (5) Marion County - (Indianapolis Office of Environmental Services)
  - (6) Vigo County - (Vigo County Air Pollution Control)
- (c) That a valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

### State Rule Applicability - Portable Coke Screening Operation

#### 326 IAC 6.8-1 (Particulate Matter Limitations for Lake County)

This portable screening plant is currently located in Lake County. The emissions from this plant are not specifically regulated under 326 IAC 6.8-2 through 6.8-11. However, this portable plant has actual PM emissions greater than 10 tons per year. Pursuant to 326 IAC 6.8-1-2 (a), PM emissions from each of the hopper, screen, and conveyor shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf) when this plant is located in Lake County.

#### 326 IAC 6.5-1 (Particulate Matter Limitations Except Lake County)

As a portable source, the coke screening operation can relocate to any county in Indiana. If this portable coke screening plant relocates to any source that is located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties and has either:

- (a) The potential to emit PM from the entire source, including this portable coke screening plant, is greater than 100 tons/yr; or
- (b) The actual PM emissions from the entire source, including this portable coke screening plant, are greater than 10 tons/yr,

then this portable coke screening plant will be subject to 326 IAC 6.5-1-2(a) and shall comply with the PM emission limit of 0.03 grain per dry standard cubic foot.

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

If this portable coke screening plant relocates to any source that is located in any county other than Clark, Dearborn, Dubois, Howard, Lake, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties, the particulate emissions from this portable coke screening plant will be subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) and particulate emissions from each of the emission units shall not exceed the limits listed in the table below:

Unit	Max. Process Rate (tons/hr)	Particulate Limit (lbs/hr)
Each of the Units at the Screening Operation	60	46.3
Each of the Units at the Stacking System	200	58.5

These limits were calculated using the following equation:

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

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

According to the emission calculations in Appendix A, the PM emissions from each of the hopper, the screens, and the conveyor are less than the emission limit above. Therefore, the screening operation and the stacking system at this portable plant are in compliance with 326 IAC 6-3-2.

### State Rule Applicability - Two (2) Diesel-Fueled Generators

#### 326 IAC 7-1.1-2 (Sulfur Dioxide (SO<sub>2</sub>) Emission Limitations)

The potential to emit SO<sub>2</sub> from each of the generators is less than 25 tons/yr and 20 lbs/hr. Therefore, the requirements of 326 IAC 7-1.1-2 (Sulfur Dioxide (SO<sub>2</sub>) Emission Limitations) are not applicable to these generators.

**326 IAC 8-1-6 (New Facilities; General Reduction Requirement)**

The potential VOC emissions from each generator are less than twenty five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 (BACT) are not applicable.

**326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties)**

This portable coke screening plant can relocate to any county in Indiana. The potential to emit NOx from this portable plant is less than 40 tons per year. Therefore, the requirements of 326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties) are not applicable.

**State Rule Applicability - Storage Tank (Insignificant Activity)**

**326 8-4-3 (Petroleum Liquid Storage Facilities)**

The diesel fuel storage tank has a capacity less than 39,000 gallons. Therefore, the requirements of 326 IAC 8-4-3 are not applicable to this tank.

**326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)**

This portable coke screening plant is currently located in Lake County; therefore, the diesel fuel storage tank at this plant is subject to 326 IAC 8-9. Since this tank has a capacity less than 39,000 gallons, it is subject to only the reporting and record keeping provisions of 326 IAC 8-9-6(a) and (b), which have the following requirements:

- (a) The owner or operator of each vessel shall maintain records for the life of the vessel for the following information:
  - (1) The vessel identification number.
  - (2) The vessel dimensions.
  - (3) The vessel capacity.
- (b) A report containing the information described in (a) shall be submitted to IDEM, OAQ and any applicable local agency.

**State Rule Applicability - Welding and Cutting Operations (Insignificant Activities)**

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

The welding operations at this source do not consume more than six hundred and twenty-five (625) pounds of rod or wire per day. The cutting operations at this source do not cut more than three thousand and four hundred (3,400) inches per hour of stock with one inch thickness or more. Therefore, the welding and cutting operations at this source are exempt from the requirements of 326 IAC 6-3, pursuant to 326 IAC 6-3-1(b)(9) and (b)(10).

**Compliance Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions 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 monitoring requirements applicable to this source are as follows:

1. The hoppers, the screens, and the conveyors have applicable compliance monitoring conditions as specified below:

Visible emissions notations of the exhaust from each of the feed hoppers, screens, and conveyor transfer points shall be performed once per day during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. 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. 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. 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. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

These monitoring conditions are necessary because the hopper, the screens, and the conveyors must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), 326 IAC 6.8-1 (Particulate Matter Limitations for Lake County), 326 IAC 6.5-1 (Particulate Matter Limitations Except Lake County), and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes).

<b>Conclusion</b>
-------------------

The operation of this portable metallurgical coke screening plant shall be subject to the conditions of this Part 70 operating permit T089-24204-05057.

**Appendix A: Emission Calculations  
PM/PM10 Emissions  
From the Screening Operation**

**Company Name: Mid-Continent Coal and Coke Company  
Address: 3600 Canal Street, East Chicago, IN 46312  
Title V: 089-24204-05057  
Reviewer: ERG/YC  
Date: March 8, 2007**

Maximum Throughput Rate:

**60** (tons/hr)

Process	Number of Units	PM Emission Factor (lbs/ton)	PTE of PM (lbs/hr/unit)	PTE of PM (tons/yr)	PM10 Emission Factor (lbs/ton)	PTE of PM10 (lbs/hr/unit)	PTE of PM10 (tons/yr)
Feed Hopper*	1	0.0088	0.528	2.31	0.0043	0.258	1.13
Single Deck Screen**	1	0.0022	0.132	0.58	0.00074	0.044	0.19
Double Deck Screen**	1	0.0036	0.216	0.95	0.0022	0.132	0.58
Conveyor**	9	0.00014	0.008	0.33	4.60E-05	0.003	0.11
<b>Total</b>				<b>4.17</b>			<b>2.01</b>

\* The emission factors for the feed hoppers are the emission factors for low silt batch drop in AP-42, Chapter 12.5, Table 12.5.4 for iron and steel mill (01/95).

\*\* The emission factors for the screens and the conveyors are from AP-42, Chapter 11.19, Table 11.19.2-2 for crushed stone processing operations (08/04).

Note the controlled emission factors in Table 11.19.2-2 are used here because the material received at this source has a high moisture content (10%).

**Methodology**

PTE of PM/PM10 (lbs/hr/unit) = Maximum Throughput (tons/hr) x Emission Factor (lbs/ton)

PTE of PM/PM10 (tons/yr) = PTE of PM/PM10 (lbs/hr/unit) x Number of Units x 8760 hrs/yr x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
PM/PM10 Emissions  
From the Stacking System (CS-1)**

**Company Name: Mid-Continent Coal and Coke Company  
Address: 3600 Canal Street, East Chicago, IN 46312  
Title V: 089-24204-05057  
Reviewer: ERG/YC  
Date: March 8, 2007**

Maximum Throughput Rate:

**200** (tons/hr)

Process	Number of Units	PM Emission Factor (lbs/ton)	PTE of PM (lbs/hr/unit)	PTE of PM (tons/yr)	PM10 Emission Factor (lbs/ton)	PTE of PM10 (lbs/hr/unit)	PTE of PM10 (tons/yr)
Feed Hopper*	1	0.0088	1.760	7.71	0.0043	0.860	3.77
Conveyor**	1	0.00014	0.028	0.12	4.60E-05	0.009	0.04
<b>Total</b>				<b>7.83</b>			<b>3.81</b>

\* The emission factors for the feed hopper are the emission factors for low silt batch drop in AP-42, Chapter 12.5, Table 12.5.4 for iron and steel mill (01/95).

\*\* The emission factors for the conveyor are from AP-42, Chapter 11.19, Table 11.19.2-2 for crushed stone processing operations (08/04).

Note the controlled emission factors in Table 11.19.2-2 are used here because the material received at this source has a high moisture content (10%).

**Methodology**

PTE of PM/PM10 (lbs/hr/unit) = Maximum Throughput (tons/hr) x Emission Factor (lbs/ton)

PTE of PM/PM10 (tons/yr) = PTE of PM/PM10 (lbs/hr/unit) x Number of Units x 8760 hrs/yr x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
Internal Combustion Engines**

**From the Two (2) Diesel Fueled Generators**

**Company Name: Mid-Continent Coal and Coke Company  
Address: 3600 Canal Street, East Chicago, IN 46312  
Title V: 089-24204-05057  
Reviewer: ERG/YC  
Date: March 8, 2007**

Power Output  
Horse Power (HP)

**250** (2 units total)

	Pollutant					
Emission Factor in lb/HP-hr (<600 hp)	PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC**	CO
	2.20E-03	2.20E-03	2.05E-03	3.10E-02	2.51E-03	6.68E-03
<b>Potential to Emit in tons/yr</b>	<b>2.41</b>	<b>2.41</b>	<b>2.24</b>	<b>33.9</b>	<b>2.75</b>	<b>7.31</b>

\*Assume PM10 emissions are equal to PM emissions.

\*\* Assume TOC (total organic compounds) emissions, including exhaust and crankcase emissions, are equal to VOC emissions.  
Emission factors are from AP-42, Chapter 3.3, Table 3.3-1, SCC #2-02-001-02 and 2-03-001-01 (10/96).

**Methodology**

PTE (tons/yr) = Power Output (HP) x Emission Factor (lb/HP-hr) x 8760 (hrs/yr) x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
Fugitive Emissions  
From Unpaved Roads**

**Company Name: Mid-Continent Coal and Coke Company  
Address: 3600 Canal Street, East Chicago, IN 46312  
Title V: 089-24204-05057  
Reviewer: ERG/YC  
Date: April 5, 2007**

**1. Emission Factors:**

According to AP42, Chapter 13.2.2 - Unpaved Roads (11/06), the PM/PM10 emission factors for unpaved roads can be estimated from the following equation:

$$E = k \times (s/12)^a \times (w/3)^b \times (365-p)/365$$

where:

E = emission factor (lb/vehicle mile traveled)  
s = surface material silt content (%) = 6.0 % (AP-42, Table 13.2.2-1)  
w = mean vehicle weight (tons) = 45.0 tons  
k = empirical constant = 4.9 for PM and 1.5 for PM10  
a = empirical constant = 0.7 for PM and 0.9 for PM10  
b = empirical constant = 0.45  
p = number of days per year with 0.01 inches precipitation = 120 (provided by the source)

$$\text{PM Emission Factor} = 4.9 \times (6/12)^{0.7} \times (45/3)^{0.45} \times (365-120)/365 = \mathbf{6.85 \text{ lbs/mile}}$$

$$\text{PM10 Emission Factor} = 1.5 \times (6/12)^{0.9} \times (45/3)^{0.45} \times (365-120)/365 = \mathbf{1.83 \text{ lbs/mile}}$$

**2. Potential to Emit (PTE) of PM/PM10 Before Control from Unpaved Roads:**

Vehicle Type	Ave. Vehicle Weight* (tons)	Vehicle Miles Traveled (VMT) (miles/day)**	Vehicle Miles Traveled (VMT) (miles/yr)	*Traffic Component (%)	Component Vehicle Weight (tons)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
End-Dump Semi Trucks	45	31.0	11,315	100%	45.0	38.7	10.3
<b>Total</b>			<b>11,315</b>	<b>100%</b>	<b>45.0</b>	<b>38.7</b>	<b>10.3</b>

\* This information is provided by the source.

\*\* The round-trip distance traveled is 2/3 miles and the load capacity of each truck is 31 tons of coke (Ave. Vehicle Weight (45 tons) - Tare Weight (14 tons) = Load Capacity (31 tons). In order to transport 60 tons/hr of coke (max throughput of screening operation), the source would need to make 1.94 round trips per hour. At 2/3 miles per round trip and 24 hrs/day, this is equivalent to 31.0 miles/day.

The round trip distance and load capacity per truck were provided by the source for SSM #089-14296-05057, issued November 10, 2003.

**Methodology**

Component Vehicle Weight (tons) = Ave. Vehicle Weight (tons) x Traffic Component (%)  
(Note that the summation of the component vehicle weight equals the Mean Vehicle Weight.)  
VMT(miles/yr) = VMT (miles/day) x 365 days/yr  
PTE of PM/PM10 (tons/yr) = VMT (miles/yr) x Emission Factor (lbs/mile) x 1 ton/ 2000 lbs

**3. Potential to Emit (PTE) of PM/PM10 after Control from Unpaved Roads:**

**Control Efficiency:** 50% for continuous water suppression

$$\text{PTE of PM after Control} = 38.7 \text{ (tons/yr)} \times (1-50\%) = \mathbf{19.4 \text{ tons/yr}}$$

$$\text{PTE of PM10 after Control} = 10.3 \text{ (tons/yr)} \times (1-50\%) = \mathbf{5.16 \text{ tons/yr}}$$

**Appendix A: Emission Calculations  
Potential PM and PM10 Emissions  
From the Aggregate Piles (Fugitive Emissions)**

**Company Name: Mid-Continent Coal and Coke Company  
Address: 3600 Canal Street, East Chicago, IN 46312  
Title V: 089-24204-05057  
Reviewer: ERG/YC  
Date: March 8, 2007**

**1. Emission Factors:**

According to AP42, Chapter 13.2.4 - Aggregate Handling and Storage Piles (11/06), the PM/PM10 emission factors for storage piles can be estimated from the following equation:

$$E_f = \frac{.0032 \times (U/5)^{1.3} \times k}{(M/2)^{1.4}}$$

where:

E<sub>f</sub> = Emission Factor (lbs/ton)  
 k = Particle size multiplier = 0.74 for PM and 0.35 for PM10  
 U = Mean wind speed (mph) = 10 mph (provided by the source)  
 M = Moisture content (%) = 12 % (provided by the source)

Therefore,

PM Emission Factor = 0.0005 lbs/ton process  
 PM10 Emission Factor = 0.0002 lbs/ton process

**2. Potential to Emit PM/PM10 before Control:**

Throughput Rate: 60 tons/hr (4 piles total)

**Potential PM =** 60 tons/hr x 0.0005 lbs/ton x 8760 hrs/yr x 1 ton/2000 lbs = **0.12 tons/yr**

**Potential PM10 =** 60 tons/hr x 0.0002 lbs/ton x 8760 hrs/yr x 1 ton/2000 lbs = **0.06 tons/yr**