



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
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TO: Interested Parties / Applicant
DATE: May 14, 2007
RE: Carb-Rite Company / 089-24085-00093
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 according to IC 13-15-6-3, 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 and IC 13-15-6-1 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, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot 03/23/06



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Mr. Eugene Cox
Carb-Rite Company
23810 Highland Street
P.O. Box 175
Schneider, IN 46376

May 14, 2007

Re: 089-24085-00093
First Significant Revision to
FESOP 089-16701-00093

Dear Mr. Cox:

Carb-Rite Company was issued a Federally Enforceable State Operating Permit on October 1, 2004, for a stationary metallurgical coke and petroleum coke processing plant. A letter requesting changes to this permit was received on December 18, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1(g), a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The permit revision consists of changes in the PM and PM10 emission limits for the rotary dryer line (ID #6) from 1.04 pounds per hour and 0.5 pounds per hour to 2.0 pounds per hour and 1.5 pounds per hour, respectively.

Sections A, B, C, and D of the permit have also been changed by IDEM to incorporate rule changes and updates to conditions in the permit.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Mr. Stephen Treimel, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Mr. Treimel. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Original Signed By:

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/ST

cc: File - Lake County
U.S. EPA, Region V
Lake County Health Department
Northwest Regional Office
Air Compliance Section Inspector - Rick Massoels, Ramesh Tejuja
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner
Billing, Licensing, & Training Section - Dan Stamatkin



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SIGNIFICANT PERMIT REVISION TO A FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

**Carb-Rite Company
23810 Highland Street
Schneider, Indiana 46376**

(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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.

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 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F089-16701-00093	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 1, 2004 Expiration Date: October 1, 2009
First Significant Permit Revision No.: 089-24085-00093	Affected Pages: all
Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: May 14, 2007 Expiration Date: October 1, 2009

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	4
A.1	General Information [326 IAC 2-8-3(b)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.3	Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]	
A.4	FESOP Applicability [326 IAC 2-8-2]	
SECTION B	GENERAL CONDITIONS	10
B.1	Definitions [326 IAC 2-8-1]	
B.2	Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-8-6]	
B.5	Severability [326 IAC 2-8-4(4)]	
B.6	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.7	Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.8	Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]	
B.9	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.10	Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.11	Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]	
B.12	Emergency Provisions [326 IAC 2-8-12]	
B.13	Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.14	Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]	
B.15	Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.16	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]	
B.17	Permit Renewal [326 IAC 2-8-3(h)]	
B.18	Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]	
B.19	Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]	
B.20	Source Modification Requirement [326 IAC 2-8-11.1]	
B.21	Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]	
B.22	Transfer of Ownership or Operational Control [326 IAC 2-8-10]	
B.23	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]	
B.24	Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS	19
	Emission Limitations and Standards [326 IAC 2-8-4(1)]	
C.1	Overall Source Limit [326 IAC 2-8]	
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(3)]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Fugitive Dust Emissions [326 IAC 6.8-10]	
C.7	Lake County Particulate Matter Contingency Measures [326 IAC 6.8-11]	
C.8	Stack Height [326 IAC 1-7]	
C.9	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61 Subpart M]	
	Testing Requirements [326 IAC 2-8-4(3)]	
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 2-8-4] [326 IAC 2-8-5(a)(1)]	
C.12	Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(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 2-8-4(3)][326 IAC 2-8-5(1)]

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.17 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]
- C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

- C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]
- C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

- C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

SECTION D.1 FACILITY OPERATION CONDITIONS 26

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.1.1 Particulate Emission Limitations [326 IAC 2-2] [326 IAC 2-8]
- D.1.2 Particulate Matter Limitations for Lake County [326 IAC 6.8-1-2]
- D.1.3 Lake County: Fugitive Particulate Matter [326 IAC 6.8-10]
- D.1.4 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]
- D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

Compliance Determination Requirements

- D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)][326 IAC 2-1.1-11]
- D.1.7 Particulate Control
- D.1.8 Sulfur Dioxide Emissions and Sulfur Content

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

- D.1.9 Visible Emissions Notations
- D.1.10 Parametric Monitoring
- D.1.11 Broken or Failed Bag Detection

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

- D.1.12 Record Keeping Requirements
- D.1.13 Reporting Requirements

SECTION D.2 FACILITY OPERATION CONDITIONS 34

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.2.1 Particulate Matter Limitations for Lake County [326 IAC 6.8-1-2]
- D.2.2 Lake County: Fugitive Particulate Matter [326 IAC 6.8-10]
- D.2.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]
- D.2.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

Compliance Determination Requirements

- D.2.5 Fugitive Particulate Matter (PM)

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

- D.2.6 Record Keeping Requirements
- D.2.7 Reporting Requirements

Certification Form	40
Emergency Occurrence Form	41
Quarterly Report Form	43
Quarterly Deviation and Compliance Monitoring Report Form.....	44
Fugitive Dust Control Plan.....	46

SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary metallurgical coke and petroleum coke processing plant.

Source Address:	23810 Highland Street, Schneider, Indiana 46376
Mailing Address:	P.O. Box 11999, Pittsburgh, PA 15228
General Source Phone:	(219) 552-1500
SIC Code:	2999 and 3999
County Location Status:	Lake County
Source Location Status:	Nonattainment for the 8-hour ozone standard Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) Emission units located outdoors:
6' x 20' Scalping Screen Line (ID# 2), constructed in 2000, with a maximum capacity of 50 tons of metallurgical coke or sand per hour, consisting of the following equipment:
 - (1) Six (6) conveyors (ID# 2A, 2B, 2C, 2D, 2E, 2F).
 - (2) One (1) 6' x 20' scalping screen (ID# 2G).
 - (3) One (1) vibrating pan feeder (ID#2H).
- (b) Emission units located at the raw material storage building:

Bulk Truck Unloading (ID# 4), constructed in 1973, with a maximum capacity of 250 tons of petroleum coke per hour.
- (c) Emission units located at the dryer building:
 - (1) Rotary Dryer Line (ID# 6), constructed in 1987, with a maximum capacity of 30 tons of metallurgical coke or metallurgical coke-petroleum coke blend, consisting of the following equipment:
 - (A) One (1) dryer loading bin (ID# 6A).
 - (B) One (1) feed hopper (ID# 6B).
 - (C) One (1) vibrating pan feeder (ID# 6C).
 - (D) One (1) conveyor (ID# 6D).

- (E) One (1) natural gas-fired rotary dryer (ID# 6E) with a maximum heat input rate of 37.4 million British Thermal Units per hour (MMBTU/hr), controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1). This dryer uses no. 2 fuel oil as a back-up fuel.
 - (F) One (1) cooling screw (ID# 6F) controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1),
 - (G) One (1) belt conveyor (ID# 6G) controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1),
 - (H) One (1) 5' x 14' screen (ID# 6H) controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1),
 - (I) One (1) dryer discharge bin (ID# 6I), and
 - (J) Various product storage bins (ID# 6J).
- (2) Crushing Line (ID# 7), constructed in 1983, with a maximum capacity of 50 tons of metallurgical coke or petroleum coke per hour, controlled by a baghouse (ID# DSS-3), exhausting through a stack (ID# DSS-3), consisting of the following equipment:
- (A) One (1) feed hopper (ID# 7A).
 - (B) One (1) vibrating pan feeder (ID# 7B).
 - (C) Two (2) belt conveyors (ID# 7C, 7D).
 - (D) One (1) enclosed crusher (ID# 7C).
 - (E) One (1) discharge storage bin (ID# 7D).
- (3) Two-Meter Screen Line (ID# 8), constructed in 1986, with a maximum capacity of 25 tons of metallurgical coke per hour, controlled by a baghouse (ID# DSS-2), exhausting through a stack (ID# DSS-2), consisting of the following equipment:
- (A) One (1) feed hopper (ID# 8A).
 - (B) One (1) belt conveyor (ID# 8B).
 - (C) One (1) vibrating pan feeder (ID# 8C).
 - (D) One (1) enclosed two meter screen (ID# 8D).
 - (E) Various storage bins (ID# 8E).
- (4) Bulk Loadout Line (ID# 18), constructed 2001, with a maximum capacity of 25 tons of metallurgical coke, controlled by a dust collector (ID# WBBSS-3) exhausting through a stack (ID# WBBSS-3), and consisting of the following equipment:
- (A) One (1) feed hopper (ID# 18A).
 - (B) One (1) vibrating pan feeder (ID# 18B).
 - (C) One (1) belt conveyor (ID# 18C).
 - (D) One (1) loading hopper and spout (ID# 18D).

- (d) Emission units located at the screening building:
- (1) Bulk Truck Unloading (ID# 9), constructed in 1971, with a maximum capacity of 250 tons of petroleum coke per hour.
 - (2) One-Meter Screen Line (ID# 10), constructed in 1990, with a maximum capacity of 10 tons of petroleum coke per hour, controlled by a baghouse (ID# DSS-4), exhausting through a stack (ID# DSS-4), consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 10A).
 - (B) One (1) vibrating pan feeder (ID# 10B).
 - (C) One (1) conveyor (ID# 10D).
 - (D) One (1) enclosed one meter screen (ID# 10E).
 - (E) One (1) inside storage bin (ID# 10F).
 - (F) One (1) inside storage area (ID# 10G).
- (e) Emission units located at the mix/storage building:
- (1) Bulk Truck Unloading (ID# 11), constructed in 1970, with a maximum capacity of 250 tons of petroleum coke per hour.
 - (2) Bulk Rail Unloading (ID# 13), constructed in 1970, with a maximum capacity of 22.5 tons of metallurgical coke or petroleum coke per hour, consisting of the following equipment:
 - (A) One (1) underground feed hopper (ID# 13A).
 - (B) One (1) fixed conveyor (ID# 13B).
 - (C) One (1) movable conveyor (ID# 13C).
 - (3) Bulk Loadout Line (ID# 16), constructed in 2000, with a maximum capacity of 25 tons of petroleum coke, consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 16A).
 - (B) One (1) vibrating pan feeder (ID# 16B).
 - (C) One (1) belt conveyor (ID# 16C).
 - (D) One (1) loading hopper and spout (ID# 16D), controlled by a dust collector (ID# WBBSS-2) exhausting through a stack (ID# WBBSS-2).
- (f) Emission units located at the warehouse/bagging building:
- (1) Bagging Line (ID# 14,) with a maximum capacity of 15 tons of metallurgical coke, petroleum coke, or metallurgical coke-petroleum coke blend, consisting of the following equipment [326 IAC 6-1-2]:
 - (A) One (1) feed hopper (ID# 14A).
 - (B) One (1) conveyor (ID# 14B).

- (C) One (1) discharge tank (ID# 14C).
- (D) One (1) bagging machine (ID# 14D), controlled by a dust collector (ID# WBBSS-1), exhausting through a stack (ID# WBBSS-1).
- (2) Supersacker Line (ID# 15), with a maximum capacity of 13 tons of metallurgical coke, petroleum coke, or metallurgical coke-petroleum coke blend, consisting of the following equipment [326 IAC 6-1-2]:
 - (A) One (1) feed hopper (ID# 15A).
 - (B) One (1) vibrating pan feeder (ID# 15B).
 - (C) One (1) bucket elevator (ID# 15C).
 - (D) One (1) discharge tank (ID# 15D).
 - (E) One (1) supersacker machine (ID# 15E), controlled by a dust collector (ID# WBBSS-1) exhausting through a stack (ID# WBBSS-1).

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

- (a) Emission units located outdoors:
 - (1) Outside storage piles (ID# 1) [326 IAC 6.8-10][326 IAC 6.8-11].
 - (2) Crushing Line (ID# 3), with a maximum capacity of 36 tons of metallurgical coke per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:
 - (A) One (1) vibrating pan feeder (ID# 3A).
 - (B) Two (2) conveyors (ID#s 3B and 3C).
 - (C) One (1) enclosed crusher (ID# 3D).
 - (D) One (1) holding bin (ID# 3E).
- (b) Emission unit located at the dryer building:

Bulk Truck Unloading (ID# 5), with a maximum capacity of 250 tons of metallurgical coke per hour [326 IAC 6.8-10][326 IAC 6.8-11].
- (c) Emission unit located at the mix/storage building:

Blending Line (ID# 12), with a maximum capacity of 17 tons of metallurgical coke-petroleum coke blend per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:

 - (1) Various metallurgical coke inside storage bins (ID# 12A).
 - (2) One (1) petroleum coke inside storage pile (ID# 12B).
 - (3) One (1) blending area (ID# 12C).
- (d) Emission units located at the sand mix building:

Sand Mix Line (ID# 17), with a maximum capacity of 20 tons of sand per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:

- (1) One (1) intermediate outside storage area (ID# 17A).
- (2) One (1) wet yellow sand inside storage bin (ID# 17B).
- (3) One (1) wet torpedo sand inside storage bin (ID# 17C).
- (4) One (1) bond clay inside storage bin (ID# 17D).
- (5) One (1) pitch inside storage bin (ID# 17E).
- (6) One (1) feed hopper (ID# 17F).
- (7) One (1) conveyor (ID# 17G).
- (8) One (1) self-contained muller (ID# 17H).
- (9) One (1) belt conveyor with pulley mixer (ID# 17I).
- (10) One (1) inside runner-sand mix storage bin (ID# 17J).

There are no additional air pollution control devices attached to any of this equipment.

- (e) The following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment. [326 IAC 6.8-1-2]
- (f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-5]
- (g) Paved and unpaved roadways. [326 IAC 6-4]
- (h) Cleaners and solvents characterized as follows:
 - (1) Having vapor pressure equal to or less than 2 kilopascals (kPa); 15 millimeters of mercury (mmHg); or 0.3 pounds per square inch (psi) measured at 38 degrees centigrade ($^{\circ}\text{C}$) (100°F) or
 - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (i) Six (6) natural gas-fired space heaters each with heat input less than ten (10) million British Thermal Units per hour (MMBTU/hr).
- (j) Combustion source flame safety purging on startup.
- (k) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.
- (l) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (m) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

- (n) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other air filtration equipment.
- (o) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, 089-16701-00093, 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, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-8-6]

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

B.5 Severability [326 IAC 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (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 an "authorized individual" 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) An "authorized individual" is defined at 326 IAC 2-1.1-1(1)

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (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 except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM, OAQ:
Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

Northwest Regional Office:
Telephone Number: (219) 757-0265, or
Telephone Number: (888) 209-8892
Facsimile Number: (219) 757-0267
- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) 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.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

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

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

- (a) All terms and conditions of permits established prior to 089-16701-00093 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(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

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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-8-3. 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 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

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 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at in 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 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a FESOP 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

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

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][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 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

- (a) Pursuant to 326 IAC 2-8:
 - (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

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, unless otherwise stated in this permit:

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

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

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

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

The Permittee shall not operate an incinerator 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 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), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The 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 in November, 1999. This plan is included as Appendix B.

C.7 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).

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

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
- 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.

Testing Requirements [326 IAC 2-8-4(3)]

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.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 2-8-4][326 IAC 2-8-5(a)(1)]

C.12 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(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

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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision 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 2-8-4(3)][326 IAC 2-8-5(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 2-8-4][326 IAC 2-8-5(a)(1)]

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on January 12, 1999.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan[326 IAC 2-8-4] [40 CFR 68]

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

C.17 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (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;
 - (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.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

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

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

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

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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
- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) 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.

Stratospheric Ozone Protection

C.21 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

Facility Description [326 IAC 2-8-4(10)]: Individual Facilities

(a) Emission units located outdoors:

6' x 20' Scalping Screen Line (ID# 2), constructed in 2000, with a maximum capacity of 50 tons of metallurgical coke or sand per hour, consisting of the following equipment:

- (1) Six (6) conveyors (ID# 2A, 2B, 2C, 2D, 2E, 2F).
- (2) One (1) 6' x 20' scalping screen (ID# 2G).
- (3) One (1) vibrating pan feeder (ID#2H).

(b) Emission units located at the raw material storage building:

Bulk Truck Unloading (ID# 4), constructed in 1973, with a maximum capacity of 250 tons of petroleum coke per hour.

(c) Emission units located at the Dryer Building:

(1) Rotary Dryer Line (ID# 6), constructed in 1987, with a maximum capacity of 30 tons of metallurgical coke or metallurgical coke-petroleum coke blend, consisting of the following equipment:

- (A) One (1) dryer loading bin (ID# 6A).
- (B) One (1) feed hopper (ID# 6B).
- (C) One (1) vibrating pan feeder (ID# 6C).
- (D) One (1) conveyor (ID# 6D).
- (E) One (1) natural gas-fired rotary dryer (ID# 6E), with a maximum heat input rate of 37.4 million British Thermal Units per hour (MMBTU/hr), controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1). This dryer uses no. 2 fuel oil as a back-up fuel.
- (F) One (1) cooling screw (ID# 6F), controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1).
- (G) One (1) belt conveyor (ID# 6G), controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1).
- (H) One (1) 5' x 14' screen (ID# 6H), controlled by a cyclone-baghouse system (ID# DSS-1) exhausting through a stack (ID# DSS-1).
- (I) One (1) dryer discharge bin (ID# 6I).
- (J) Various product storage bins (ID# 6J).

(2) Crushing Line (ID# 7), constructed in 1983, with a maximum capacity of 50 tons of metallurgical coke or petroleum coke per hour, controlled by a baghouse (ID# DSS-3), exhausting through a stack (ID# DSS-3), consisting of the following equipment:

- (A) One (1) feed hopper (ID# 7A).

Facility Description [326 IAC 2-8-4(10)]: Individual Facilities (Continued)

- (B) One (1) vibrating pan feeder (ID# 7B).
- (C) Two (2) belt conveyors (ID#7C, 7D).
- (D) One (1) enclosed crusher (ID# 7C).
- (E) One (1) discharge storage bin (ID# 7D).
- (3) Two-Meter Screen Line (ID# 8), constructed in 1986, with a maximum capacity of 25 tons of metallurgical coke per hour, controlled by a baghouse (ID# DSS-2), exhausting through a stack (ID# DSS-2), consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 8A).
 - (B) One (1) belt conveyor (ID# 8B).
 - (C) One (1) vibrating pan feeder (ID# 8C).
 - (D) One (1) enclosed two meter screen (ID# 8D).
 - (E) Various storage bins (ID# 8E).
- (4) Bulk Loadout Line (ID# 18), constructed 2001, with a maximum capacity of 25 tons of metallurgical coke, controlled by a dust collector (ID# WBBSS-3), exhausting through a stack (ID# WBBSS-3), consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 18A).
 - (B) One (1) vibrating pan feeder (ID# 18B).
 - (C) One (1) belt conveyor (ID# 18C).
 - (D) One (1) loading hopper and spout (ID# 18D).
- (d) Emission units located at the screening building:
 - (1) Bulk Truck Unloading (ID# 9), constructed in 1971, with a maximum capacity of 250 tons of petroleum coke per hour.
 - (2) One-Meter Screen Line (ID# 10), constructed in 1990, with a maximum capacity of 10 tons of petroleum coke per hour, controlled by a baghouse (ID# DSS-4), exhausting through a stack (ID# DSS-4), consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 10A).
 - (B) One (1) vibrating pan feeder (ID# 10B).
 - (C) One (1) conveyor (ID# 10D).
 - (D) One (1) enclosed one meter screen (ID# 10E).
 - (E) One (1) inside storage bin (ID# 10F).
 - (F) One (1) inside storage area (ID# 10G).
- (e) Emission units located at the mix/storage building:

- (1) Bulk Truck Unloading (ID# 11), constructed in 1970, with a maximum capacity of 250 tons of petroleum coke per hour.
 - (2) Bulk Rail Unloading (ID# 13), constructed in 1970, with a maximum capacity of 22.5 tons of metallurgical coke or petroleum coke per hour, consisting of the following equipment:
 - (A) One (1) underground feed hopper (ID# 13A).
 - (B) One (1) fixed conveyor (ID# 13B).
 - (C) One (1) movable conveyor (ID# 13C).
 - (3) Bulk Loadout Line (ID# 16), constructed in 2000, with a maximum capacity of 25 tons of petroleum coke, consisting of the following equipment:
 - (A) One (1) feed hopper (ID# 16A).
 - (B) One (1) vibrating pan feeder (ID# 16B).
 - (C) One (1) belt conveyor (ID# 16C).
 - (D) One (1) loading hopper and spout (ID# 16D), controlled by a dust collector (ID# WBBSS-2) exhausting through a stack (ID# WBBSS-2).
- (f) Emission units located at the warehouse/bagging building:
- (1) Bagging Line (ID# 14,) with a maximum capacity of 15 tons of metallurgical coke, petroleum coke, or metallurgical coke-petroleum coke blend, consisting of the following equipment [326 IAC 6-1-2]:
 - (A) one (1) feed hopper (ID# 14A).
 - (B) one (1) conveyor (ID# 14B).
 - (C) one (1) discharge tank (ID# 14C).
 - (D) one (1) bagging machine (ID# 14D), controlled by a dust collector (ID# WBBSS-1), exhausting through a stack (ID# WBBSS-1).
 - (2) Supersacker Line (ID# 15), with a maximum capacity of 13 tons of metallurgical coke, petroleum coke, or metallurgical coke-petroleum coke blend, consisting of the following equipment [326 IAC 6-1-2]:
 - (A) one (1) feed hopper (ID# 15A).
 - (B) one (1) vibrating pan feeder (ID# 15B).
 - (C) one (1) bucket elevator (ID# 15C).
 - (D) one (1) discharge tank (ID# 15D).
 - (E) one (1) supersacker machine (ID# 15E), controlled by a dust collector (ID# WBBSS-1) exhausting through a stack (ID# WBBSS-1).

(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 2-8-4(1)]

D.1.1 Particulate Emission Limitations [326 IAC 2-2] [326 IAC 2-8]

The Permittee shall comply with the following requirements:

- (a) The Dryer Building Rotary Dryer Line (ID# 6) PM emissions shall not exceed 2.0 pounds per hour and the PM-10 emissions shall not exceed 1.5 pounds per hour.
- (b) The Dryer Building Crushing Line (ID# 7) PM emissions shall not exceed 4.9 pounds per hour and the PM-10 emissions shall not exceed 2.3 pounds per hour.
- (c) The Dryer Building Two-Meter Screen (ID# 8) PM emissions shall not exceed 0.09 pounds per hour and the PM-10 emissions shall not exceed 0.04 pounds per hour.
- (d) The Screening Building One-Meter Screen Line (ID# 10) PM emissions shall not exceed 1.6 pounds per hour and the PM-10 emissions shall not exceed 0.7 pounds per hour.
- (e) The Mix/Storage Building Bulk Loadout Line (ID# 16) PM emissions shall not exceed 4.9 pounds per hour and the PM-10 emissions shall not exceed 2.3 pounds per hour.
- (f) The Dryer Building Bulk Loadout Line (ID# 18) PM emissions shall not exceed 2.4 pounds per hour and the PM-10 emissions shall not exceed 1.2 pounds per hour.
- (g) The Warehouse/Bagging Building Bagging Line (ID# 14) PM emissions shall not exceed 1.2 pounds per hour and the PM-10 emissions shall not exceed 0.6 pounds per hour.
- (h) The Warehouse/Bagging Building Supersacker Line (ID# 15) PM emissions shall not exceed 1.6 pounds per hour and the PM-10 emissions shall not exceed 0.8 pounds per hour.

Compliance with these limits is equivalent to source-wide, non-fugitive PM emissions of less than 250 tons per year and source-wide, non-fugitive PM-10 emissions of less than 100 tons per year. Compliance with these limits will render the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.2 Particulate Matter Limitations for Lake County [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate emissions from the Rotary Dryer Line (ID# 6), natural gas-fired combustion source on the Rotary Dryer Line (ID# 6E), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), Bulk Loadout Line (ID# 16) and Bulk Loadout Line (ID# 18) shall not exceed 0.03 grains per dry standard cubic foot.

D.1.3 Lake County: 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 (Fugitive Dust Emissions - 326 IAC 6.8-10) shall be achieved by controlling fugitive particulate matter emissions from 6' x 20' Scalping Screen (ID# 2), Bulk Truck Unloading (ID# 4), Bulk Truck Unloading (ID# 9), Bulk Truck Unloading (ID# 11), Bulk Truck Unloading (ID# 13), and paved and unpaved roadways according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

D.1.4 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]

Pursuant to 326 IAC 1-7 (Stack Height Provisions) and F089-8579-00093, issued on October 13, 1998, the fuel oil combusted by the natural gas-fired Rotary Dryer (ID#6E) shall not exceed 676 kilogallons per 12 consecutive month period with compliance determined at the end of each month and the sulfur content shall not exceed 0.5 percent (0.5%) by weight, with compliance determined at the end of each month. Compliance with this limit is equivalent to sulfur dioxide emissions of less than 25 tons per year, and will render the requirements of 326 IAC 7-1.1 not applicable.

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing of the Rotary Dryer Line (ID #6) utilizing methods as approved by the Commissioner. This test shall be performed no later than October 13, 2006 and shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.7 Particulate Control

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses for particulate control shall be in operation and control emissions from the Rotary Dryer Line (ID# 6), natural gas-fired Rotary Dryer (ID# 6E), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15) and Bulk Loadout Line (ID# 16), at all times that the facilities are in operation. The cyclone for particulate control shall be in operation and control emissions from the Rotary Dryer Line (ID #6) at all times that the dryer is in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.8 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.4 shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content from the Rotary Dryer Line (ID#6E) does not exceed five-tenths percent (0.5%) by weight by:
 - (1) Providing vendor analysis of fuel delivered (including Btu per gallon and percent sulfur), if accompanied by a vendor certification, or;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.9 Visible Emissions Notations

- (a) Once per day visible emission notations of the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16) stack exhaust shall be performed 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.

D.1.10 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16) at least once per day when the facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.5 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.11 Broken or Failed Bag Detection

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

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

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

D.1.12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records in accordance with (1) through (4) below:
 - (1) Calendar dates covered in the compliance determination period;

- (2) Actual fuel oil usage since last compliance determination period;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) Pursuant to 326 IAC 6.8-10-4(4) (Lake County: Fugitive Particulate Matter), 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.
- (c) To document compliance with Condition D.1.9, the Permittee shall maintain a daily record of visible emission notations of the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10) and Bulk Loadout Line (ID# 16) stack exhausts. 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).
- (d) To document compliance with Condition D.1.10, the Permittee shall maintain a daily record of the pressure drop across the baghouses used in conjunction with the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (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.1.13 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). The reports shall include the following:
 - (1) The total number of gallons of No. 2 distillate fuel oil used for each month and previous twelve (12) month period; and
 - (2) Monthly average sulfur content of the No. 2 distillate fuel oil used.
- (b) Pursuant to 326 IAC 6.8-10-4(4)(G) (Lake County: Fugitive Particulate Matter), a quarterly report shall be submitted, stating the following:
 - (1) The dates any required control measures were not implemented
 - (2) A listing of those control measures
 - (3) The reasons that the control measures were not implemented
 - (4) Any corrective action taken

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

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

- (a) Emission units located outdoors:
- (1) Outside storage piles (ID# 1) [326 IAC 6.8-10][326 IAC 6.8-11].
 - (2) Crushing Line (ID# 3), with a maximum capacity of 36 tons of metallurgical coke per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:
 - (A) One (1) vibrating pan feeder (ID# 3A).
 - (B) Two (2) conveyors (ID#s 3B and 3C).
 - (C) One (1) enclosed crusher (ID# 3D).
 - (D) One (1) holding bin (ID# 3E).
- (b) Emission units located at the dryer building:
- Bulk Truck Unloading (ID# 5), with a maximum capacity of 250 tons of metallurgical coke per hour [326 IAC 6.8-10][326 IAC 6.8-11].
- (c) Emission units located at the mix/storage building:
- Blending Line (ID# 12), with a maximum capacity of 17 tons of metallurgical coke-petroleum coke blend per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:
- (A) Various metallurgical coke inside storage bins (ID# 12A).
 - (B) One (1) petroleum coke inside storage pile (ID# 12B).
 - (C) One (1) blending area (ID# 12C).
- (d) Emission units located at the sand mix building:
- Sand Mix Line (ID# 17), with a maximum capacity of 20 tons of sand per hour, consisting of the following equipment [326 IAC 6.8-10][326 IAC 6.8-11]:
- (1) One (1) intermediate outside storage area (ID# 17A).
 - (2) One (1) wet yellow sand inside storage bin (ID# 17B).
 - (3) One (1) wet torpedo sand inside storage bin (ID# 17C).
 - (4) One (1) bond clay inside storage bin (ID# 17D).
 - (5) One (1) pitch inside storage bin (ID# 17E).
 - (6) One (1) feed hopper (ID# 17F).
 - (7) One (1) conveyor (ID# 17G).
 - (8) One (1) self-contained muller (ID# 17H).
 - (9) One (1) belt conveyor with pulley mixer (ID# 17I).

SECTION D.2 FACILITY OPERATION CONDITIONS (Continued)

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities (Continued)

- (10) One (1) inside runner-sand mix storage bin (ID# 17J).
- (e) The following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment. [326 IAC 6.8-1-2]
- (f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-5]

(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 2-8-4(1)]

D.2.1 Particulate Matter Limitations for Lake County [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations for Lake County), particulate emissions from the following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment shall not exceed 0.03 grains per dry standard cubic foot.

D.2.2 Lake County: 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 (Fugitive Dust Emissions - 326 IAC 6.8-10) shall be achieved by controlling fugitive particulate matter emissions from Outside Storage Piles (ID# 1), Bulk Truck Unloading (ID# 5), Blending Line (ID# 12), and Sand Mix Line (ID# 17) according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

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

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

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

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

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

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for cold cleaning facility construction of which commenced after July 1, 1990, the Permittee shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Determination Requirements

D.2.5 Fugitive Particulate Matter (PM)

Pursuant to 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter), 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 approximately right angles to the plume.
- (d) **Continuous Transfer**
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.
- (e) **Wind Erosion from Storage Piles**
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures 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 approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the inplant transportation requirement.
- (h) **Material Transported by Front End Loader or Skip Hoist**
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

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

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

- (i) **Material Processing Limitations**
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing 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 and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.6 Record Keeping Requirements

- (a) Pursuant to 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter), 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.

D.2.7 Reporting Requirements

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

- (1) The dates any required control measures were not implemented
- (2) A listing of those control measures
- (3) The reasons that the control measures were not implemented
- (4) Any corrective action taken

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Carb-Rite Company
Source Address: 23810 Highland Street, Schneider, Indiana 46376
Mailing Address: P.O. Box 11999, Pittsburgh, PA 15228
FESOP No.: F089-16701-00093

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:

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**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Carb-Rite Company
Source Address: 23810 Highland Street, Schneider, Indiana 46376
Mailing Address: P.O. Box 11999, Pittsburgh, PA 15228
FESOP No.: F089-16701-00093

This form consists of 2 pages

Page 1 of 2

<p>9 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: 317-233-5865), and follow the other requirements of 326 IAC 2-7-16</p>
--

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Carb-Rite Company
 Source Address: 23810 Highland Street, Schneider, Indiana 46376
 Mailing Address: P.O. Box 11999, Pittsburgh, PA 15228
 FESOP No.: F089-16701-00093
 Facility: Natural gas-fired Rotary Dryer (ID #6E)
 Parameter: Amount of fuel oil combusted (kilogallons per 12 consecutive month period)
 Limit: 676 kilogallons per 12 consecutive month period with compliance determined for the end of each month.

YEAR:

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

☛ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Carb-Rite Company
Source Address: 23810 Highland Street, Schneider, Indiana 46376
Mailing Address: P.O. Box 11999, Pittsburgh, PA 15228
FESOP No.: F089-16701-00093

Months: _____ to _____ Year: _____

Page 1 of 2

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

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

FUGITIVE DUST CONTROL PLAN CARB-RITE COMPANY - SCHNEIDER, INDIANA PLANT

1.0 INTRODUCTION

The purpose of this fugitive dust control plan is to maintain compliance with Indiana Rule 326 LAC 6-4, Fugitive Dust Emissions as it pertains to fugitive dust emissions from paved roadways and surfaces, unpaved roadways and surfaces and outdoor metallurgical coke storage piles at Carb-Rite Company's Schneider, Indiana plant. The Rule requires that: (1) fugitive dust emissions from a source (i.e., the Carb-Rite plant) must not "cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient downwind concentrations. . ."; (2) the ground level ambient air concentrations must not exceed "fifty (50) micrograms per cubic meter above background concentration for a sixty (60) minute period"; and (3) fugitive dust must not be "visible the boundary or property line of the source". This plan will be implemented until such time as another plan is approved or ordered by the Indiana Department of Environmental Management (IDEM). The on-site person who is responsible for implementing the plan is the Plant Manager.

2.0 PAVED ROADS AND SURFACES

Paved roads and surfaces are indicated on the attached site plan. Fugitive dust emissions from the locations will be controlled by sweeping using a vehicular road sweeper. Sweeping shall be performed, as necessary, to prevent excessive dust loadings on the paved roads/surfaces. Additional sweeping shall be conducted upon indication of visible dust transport toward plant property boundaries.

3.0 UNPAVED ROADS AND SURFACES

The unpaved roads and surfaces are indicated on the attached site plan. Fugitive dust emissions from these locations shall be controlled by wetting the surfaces with water, as necessary, to prevent release and transport of excessive visible dust emissions during dry weather periods.

4.0 OUTDOOR STORAGE PILES

The areas where metallurgical coke is stored outdoors are indicated on the attached site plan (Areas L, M-1, M-2, N and X). Fugitive dust emissions from these locations shall be controlled by the application of water to the pile surfaces, as necessary, to prevent release and transport of excessive visible dust emissions during dry weather periods.

5.0 VEHICLE SPEED CONTROL

Vehicle speed on plant roadways will be limited to five miles per hour by the posting of the speed limit on conspicuous signs.

6.0 MATERIAL SPILL CONTROL

Incidents of material spillage that impact control of fugitive dust shall be addressed by the person responsible for implementing this plan. That person shall arrange for prompt cleanup of the spilled materials) and shall ensure that other appropriate corrective action is taken, if necessary, to mitigate excessive fugitive dust emissions during and after the cleanup activity.

7.0 RECORDKEEPING

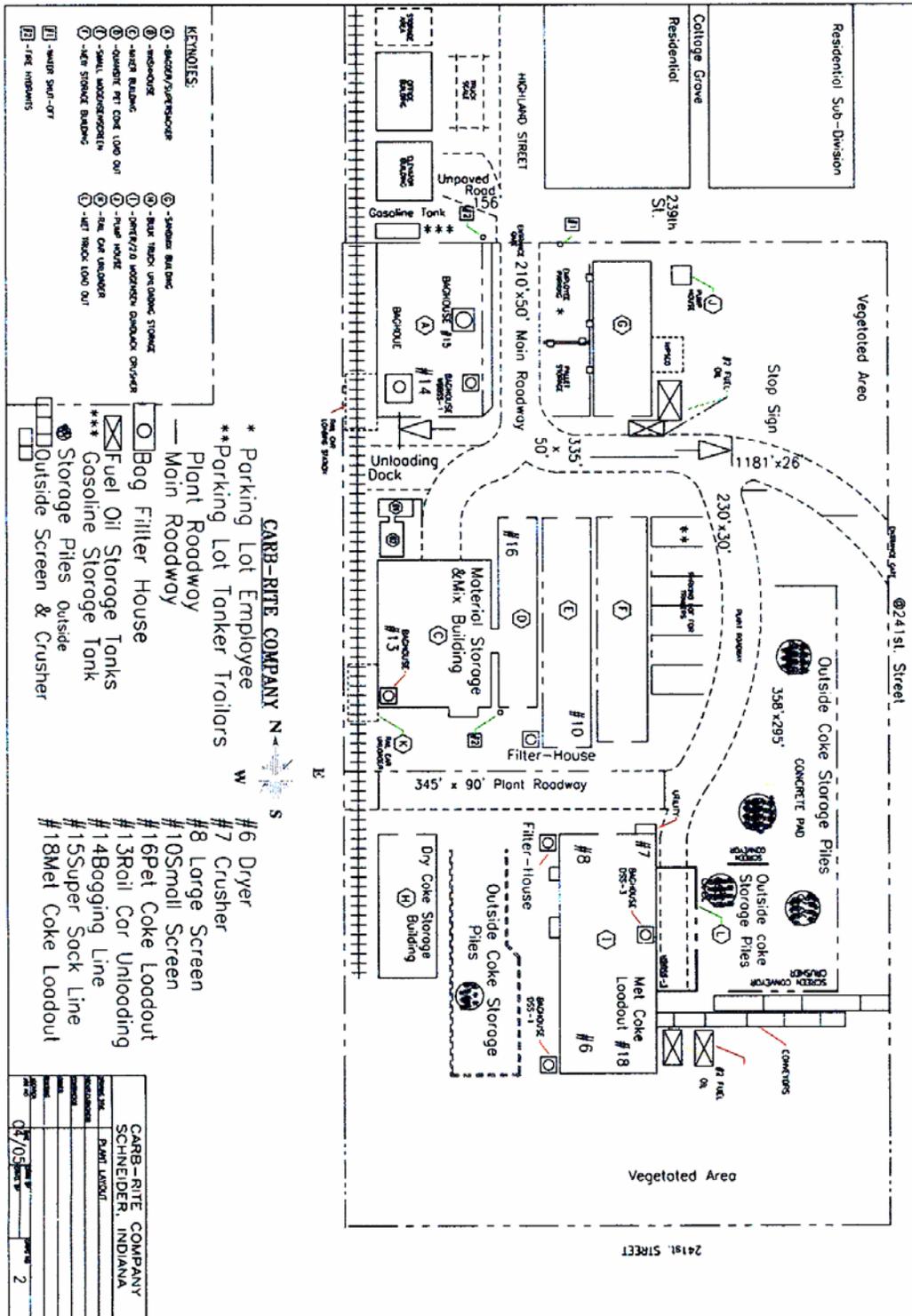
The sweeping and cleaning of paved roadways and paved surfaces both indoors and outdoors are performed on a regular basis because the material on these surfaces is recycled back through plant processes and is considered a valuable commodity. This incentive ensures that dust loadings on paved surfaces are maintained at low levels. As a result, records of the sweeping of paved surfaces are not necessary. Records of water application on the unpaved road and surfaces shall be kept in a journal which will be updated upon completion of water application events or material spill cleanup activities. The journal entries shall include the dates of the activities. The journals shall be retained for three years and shall be

available for inspection by IDEM personnel upon reasonable prior notice.

ADDENDUM FOR FUGITIVE DUST CONTROL PLAN SITE MAP AS REVISED APRIL, 2005

1. During 2000 and 2001 all plant roadways and pads which were previously unpaved were paved with either concrete or asphalt except 156' of unpaved area between the front entrance gate and the old grain elevator located just outside the front entrance gate by the office.
2. Material trucks (Semi Dumps) hauls the wet Coke Breeze (3/8" x 0") with the moisture content varying from six percent (6%) to thirty percent (30%) into the plant. They dump the materials depending on the various specifications into the stock piles on the concrete pads. The average trucks per day is ten (10), consisting of Semi Dump, Pneumatic Tanker and Flatbed Trucks.
3. Materials from the stock piles are then transferred to the dryer, inside the Dryer building at a rate of thirty tons per hour (30 tph).
4. Material exits the dryer onto a cooling auger and then to a conveyor and then across a scalping screen. From the scalping screen, the material is placed into two (2) separate stock piles inside the same building.
5. The oversize is then loaded into a pneumatic tanker or a dump truck from that building and shipped out.
6. The other pile is sized on the 2.0 Mogensen and transferred into the mixing bins in the Mix Building or transferred through the building to the bagger or the super sacker. The process involves transferring, drying, sizing, blending, packaging and shipping.
7. The length and width of roadways are included on the site map.

SITE MAP



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

**Addendum to the Technical Support Document
for a Significant Permit Revision
to a Federally Enforceable State Operating Permit (FESOP)**

Source Background and Description

Source Name:	Carb-Rite Company
Source Location:	23810 Highland Street, Schneider, Indiana 46376
County:	Lake
SIC Code:	2999, 3999
Significant Permit Revision No.:	089-24085-00093
Permit Reviewer:	ERG/ST

On March 28, 2007, the Office of Air Quality (OAQ) had a notice published in the Post Tribune, Merrillville, Indiana, stating that Carb-Rite Company had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP). 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 April 19, 2007, Carb-Rite Company submitted comments on the proposed Significant Permit Revision to a Federally Enforceable State Operating Permit. The summary of the comments is as follows. Language with a line through it has been deleted, bold language has been added. The Table of Contents has been updated as necessary.

Comment 1: Please correct the zip code for the company to 46376.

IDEM Response to Comment 1: The zip code has been changed throughout the permit as follows:

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary metallurgical coke and petroleum coke processing plant.

Source Address:	23810 Highland Street, Schneider, Indiana 46367 46376
Mailing Address:	P.O. Box 11999, Pittsburgh, PA 15228
General Source Phone:	(219) 552-1500
SIC Code:	2999 and 3999
County Location Status:	Lake County
Source Location Status:	Nonattainment for the 8-hour ozone standard Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Not 1 of 28 Source Categories

Comment 2: Please change the facility description in Section A.2(c)(3)(B) to show that this equipment is a belt conveyor with ID# 8B. Please change the facility description in Section A.2(c)(3)(C) to show that this equipment is vibrating pan feeder with ID# 8C. This change was requested during the renewal of the FESOP, but was omitted from the final draft.

IDEM Response to Comment 2: This change in the description of the emission unit does not trigger any new requirements. The belt conveyor and vibrating pan feeder are subject to the requirements of 326 IAC 2-2, 326 IAC 2-8 and 326 IAC 6.8-1-2. The permit has been changed as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

...

(c) Emission units located at the dryer building:

...

(3) Two-Meter Screen Line (ID# 8), constructed in 1986, with a maximum capacity of 25 tons of metallurgical coke per hour, controlled by a baghouse (ID# DSS-2), exhausting through a stack (ID# DSS-2), consisting of the following equipment:

- (A) One (1) feed hopper (ID# 8A).
- (B) One (1) ~~vibrating pan feeder~~ **belt conveyor** (ID# 8B).
- (C) One (1) ~~belt conveyor~~ **vibrating pan feeder** (ID# 8C).
- (D) One (1) enclosed two meter screen (ID# 8D).
- (E) Various storage bins (ID# 8E).

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Individual Facilities

...

(c) Emission units located at the Dryer Building:

...

(3) Two-Meter Screen Line (ID# 8), constructed in 1986, with a maximum capacity of 25 tons of metallurgical coke per hour, controlled by a baghouse (ID# DSS-2), exhausting through a stack (ID# DSS-2), consisting of the following equipment:

- (A) One (1) feed hopper (ID# 8A).
- (B) One (1) ~~bucket elevator~~ **belt conveyor** (ID# 8B).
- (C) One (1) vibrating pan feeder (ID# 8C).
- (D) One (1) enclosed two meter screen (ID# 8D).
- (E) Various storage bins (ID# 8E).

...

...

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table of Contents has been modified, if applicable, to reflect these changes.

1. The record keeping requirements have been revised to clarify the intent as follows:

D.1.12 Record Keeping Requirements

...

- (c) To document compliance with Condition D.1.9, the Permittee shall maintain **a daily** records of visible emission notations of the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10) and Bulk Loadout Line (ID# 16) stack exhausts ~~once per day~~. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**
 - (d) To document compliance with Condition D.1.10, the Permittee shall maintain **a daily** records ~~once per day~~ of the pressure drop **across the baghouses used in conjunction with the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16).** **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (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.
2. IDEM, OAQ has decided to add the specific mail codes (MC) for each of the IDEM branches to improve mail delivery, as follows:

Permits Branch: **MC 61-53 IGCN 1003**
Compliance Branch: **MC 61-53 IGCN 1003**
Asbestos Section: **MC 61-52 IGCN 1003**
Technical Support and Modeling: **MC 61-50 IGCN 1003**

3. In order to correct a typographical error, Condition C.18(b) is revised from the terminology "one-hundred and twenty" to "one hundred twenty" as follows:

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test ~~[326 IAC 2-8-4]~~[326 IAC 2-8-5]

...

- (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.

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

**Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit**

Source Background and Description

Source Name:	Carb-Rite Company
Source Location:	23810 Highland Street, Schneider, Indiana 46367
County:	Lake
SIC Code:	2999, 3999
Operation Permit No.:	F089-16701-00093
Operations Permit Issuance Date:	October 1, 2004
Significant Permit Revision No.:	089-24085-00093
Permit Reviewer:	ERG/ST

The Office of Air Quality (OAQ) has reviewed a permit revision application from Carb-Rite Company relating to the revision of PM and PM10 emission limits for the rotary dryer line at their stationary metallurgical coke and petroleum coke processing plant.

History

Carb-Rite Company was issued FESOP 089-16701-00093 on October 1, 2004. Condition D.1.6 in F089-16701-00093 required stack testing for PM and PM10 emissions from the Rotary Dryer Line (ID #6). On September 1, 2006, the company performed stack testing on the rotary dryer line, as required in their current operating permit. Stack test results for the Rotary Dryer Line ID #6 indicated that emissions of PM are 0.58 pounds per hour and emissions of PM10 are 0.86 pounds per hour. On December 18, 2006, Carb-Rite Company submitted an application to the OAQ requesting to revise the FESOP limitations for PM and PM10 emissions for the rotary dryer line (ID #6) as follows:

- (a) PM emissions from the Dryer Building Rotary Dryer Line (ID# 6) shall not exceed 2.0 pounds per hour.
- (b) PM10 emissions from the Dryer Building Rotary Dryer Line (ID# 6) shall not exceed 1.5 pounds per hour.

Combined with the emissions from other permitted units, the potential to emit of PM and PM10 from the entire source is limited to less than 100 tons per year. Therefore, this source will retain its FESOP status after this revision.

Upon further review, IDEM has made the following changes:

- 1. All references to IDEM, OAQ's mailing address and contact numbers have been revised as follows:

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Phone: 317-233-~~5674~~ **0178**

Fax: 317-233-~~5967~~ **6865**

2. IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Condition B.12 (now B.11) – Preventive Maintenance and has amended Condition B.13 (now B.12) – Emergency Provisions.
3. For clarification purposes, Condition B.18 (now B.19) - Operational Flexibility has been revised.
4. Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the condition reflecting this rule will be incorporated into this permit as Condition B.24 Credible Evidence.
5. In order to avoid duplication of requirements which may be included in D sections, Condition C.8 – Operation of Equipment has been removed from the permit.
6. IDEM realizes that the specifications of Condition C.15 (now C.14) - Pressure Gauge and Other Instrument Specifications, can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the language in Condition C.15 (now C.14) has been revised (see the changes in the Proposed Changes section).
7. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan (Condition C.18, now C.17). The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, the condition for “Compliance Response Plan” has been replaced by the condition for “Response to Excursions or Exceedances”. The Section D conditions that refer to this condition have been revised to reflect the new condition title (see the changes in the Proposed Changes section).
8. Upon further review, IDEM has determined that once per day visible emission notations and once per day monitoring of the control device is generally sufficient to ensure proper operation of the emission units and control devices. Therefore, the monitoring frequency has been changed from once per shift to once per day in the revised permit.
9. Rule 326 IAC 6-1-2 (Nonattainment Particulate Emission Limitations) has been moved to 326 IAC 6.8-1-2 (Particulate Matter Limitations for Lake County). Therefore, the rule citation for 326 IAC 6-1-2 has been changed to 326 IAC 6.8-1-2 throughout the entire permit.
10. Rule 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements) has been moved to 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter). Therefore, the rule citation for 326 IAC 6-1-11.1 has been changed to 326 IAC 6.8-10 throughout the entire permit.
11. Upon further review, IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the

appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirements to keep records of the inspections have also been removed from the permit.

12. Paragraph (a) of the Broken or Failed Baghouse condition (Condition D.1.12, now D.1.11) has been deleted. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to Condition D.1.7 requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition. Paragraph (b) of this condition has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.

Existing Approvals

The source was issued a FESOP F089-16701-00093 on October 1, 2004.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Significant Permit Revision 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 application for the purposes of this review was received on December 18, 2006.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Appendix A page 1).

Justification for Revision

The FESOP is being modified through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(g) because the revision requires an adjustment to existing emission limits for emissions units under the cap.

Potential to Emit of the Entire Source After the Revision

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units before and after this revision. Control equipment is considered federally enforceable only after issuance of this Permit Revision.

Process/emission unit	Potential To Emit (tons/year)						
	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Dryer Building Rotary Dryer Line (ID# 6)	4.53 8.76	2.2 6.57	less than 25	0.1	1.7	6.8	0.3
Dryer Building Crushing Line (ID# 7)	21.38	10.07	0.0	0.0	0.0	0.0	0.0
Dryer Building Two-Meter Screen (ID# 8)	0.38	0.18	0.0	0.0	0.0	0.0	0.0
Dryer Building Bulk Loadout Line (ID# 18)	10.63	5.03	0.0	0.0	0.0	0.0	0.0
Screening Building One-Meter Screen Line (ID# 10)	6.80	3.23	0.0	0.0	0.0	0.0	0.0
Mix/Storage Building Bulk Loadout Line (ID# 16)	21.27	10.06	0.0	0.0	0.0	0.0	0.0
Bagging Line (ID#14)	5.32	2.52	0.0	0.0	0.0	0.0	0.0
Supersacker Line (ID#15)	6.91	3.2	0.0	0.0	0.0	0.0	0.0
Outdoors 6'x16' Scalping Screen Line (ID# 2)	1.29	0.76	0.0	0.0	0.0	0.0	0.0
Raw Material Storage Bulk Truck Unloading (ID# 4)	26.45	12.51	0.0	0.0	0.0	0.0	0.0
Screening Building Bulk Truck Unloading (ID# 9)	21.58	10.20	0.0	0.0	0.0	0.0	0.0
Mix Storage Building Bulk Truck Unloading (ID# 11)			0.0	0.0	0.0	0.0	0.0
Mix Storage Building Bulk Rail Unloading (ID# 13)			0.0	0.0	0.0	0.0	0.0
Transport on paved and unpaved roads	135.3	20.68	0.0	0.0	0.0	0.0	0.0
Insignificant activities (ID #1, ID #3, ID #5, ID #12, ID #17)	6.03	3.58	0.0	0.0	0.0	0.0	0.0
Total Emissions	267.9 272.1	84.3 88.68	24.0	0.1	1.7	6.8	0.3

Note: the PTE figures in this table are from F089-16701-00093, issued October 1, 2004, and as revised in this significant permit revision.

After the revision to the PM and PM10 emission limitations for the rotary dryer line (ID #6), the potential to emit of the criteria pollutants from the entire source is still less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 are not applicable to this source.

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	Attainment
PM2.5	Nonattainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

- (a) U.S.EPA in 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 non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate

PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability - Entire Source section.

- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset (326 IAC 2-3). See the State Rule Applicability - Entire Source section.
- (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. See the State Rule Applicability - Entire Source section.
- (d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not 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) applicable to this revision.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this revision.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source does not belong to 1 of the 28 source categories. The source was constructed in 1970, prior to the promulgation of the PSD regulations and was an existing minor source upon promulgation of PSD rules.

On October 1, 2004, the source was issued FESOP 089-16701-00093. Conditions in this permit limited PM emissions from the Rotary Dryer Line (ID #6) to less than 1.04 pounds per hour. Combined with the limits on PM emissions from the other emission units at this source, non-fugitive source-wide emissions of PM were limited to less than 250 tons per year and the source was a minor source under PSD.

On September 1, 2006, the company performed stack testing on the rotary dryer line, as required in their current operating permit. Stack test results for the Rotary Dryer Line ID #6 indicated that emissions of PM are 0.58 pounds per hour.

In this Significant Permit Revision, the source proposes to change the limit for PM emissions from the Rotary Dryer Line to 2.0 pounds per hour. Combined with the limits on PM emissions from the other emission units at this source, non-fugitive source-wide emissions of PM will remain limited to less than 250 tons per year and the source will remain a minor source under PSD.

The new emission limit for PM10 for the Rotary Dryer Line (ID #6) is as follows:

The PM emissions from the Dryer Building Rotary Dryer Line (ID# 6) shall not exceed 2.0 pounds per hour.

326 IAC 2-3 Emission Offset

Lake County has been designated as non-attainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM 2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area as a source that emits or has the potential to emit 100 tpy of any regulated pollutant.

On October 1, 2004, the source was issued FESOP 089-16701-00093. Conditions in this permit limited PM10 emissions from the Rotary Dryer Line (ID #6) to less than 0.5 pounds per hour. Combined with the limits on PM10 emissions from the other emission units at this source, source-wide emissions of PM10 were limited to less than 100 tons per year and the source was a minor source under Nonattainment New Source Review.

On September 1, 2006, the company performed stack testing on the rotary dryer line, as required in their current operating permit. Stack test results for the Rotary Dryer Line ID #6 indicated that emissions of PM10 are 0.86 pounds per hour.

In this Significant Permit Revision, the source proposes to change the limit for PM10 emissions from the Rotary Dryer Line to 1.5 pounds per hour. Combined with the limits on PM10 emissions from the other emission units at this source, source-wide emissions of PM10 will remain limited to less than 100 tons per year and the source will remain a minor source under Nonattainment New Source Review. Therefore, assuming that PM10 emissions represent PM2.5 emissions, the requirements of Nonattainment New Source Review do not apply.

The new emission limit for PM10 for the Rotary Dryer Line (ID #6) is as follows:

The PM10 emissions from the Dryer Building Rotary Dryer Line (ID# 6) shall not exceed 1.5 pounds per hour.

326 IAC 2-6 (Emission Reporting)

This source is located in Lake County and is not required to operate under a Part 70 permit. Therefore, the emission reporting requirements of 326 IAC 2-6 are not applicable.

326 IAC 2-8 (FESOP)

On October 1, 2004, the source was issued FESOP 089-16701-00093. Conditions in this permit limited PM10 emissions from the Rotary Dryer Line (ID #6) to less than 0.5 pounds per hour. Combined with the limits on PM10 emissions from the other emission units at this source, source-wide emissions of PM10 were limited to less than 100 tons per year.

In this Significant Permit Revision, the source proposes to change the limit for PM10 emissions from the Rotary Dryer Line to 1.5 pounds per hour. Combined with the limits on PM10 emissions from the other emission units at this source, source-wide emissions of PM10 will remain limited to less than 100 tons per year and the source will remain a FESOP source.

The new emission limit for PM10 for the Rotary Dryer Line (ID #6) is as follows:

The PM10 emissions from the Dryer Building Rotary Dryer Line (ID# 6) shall not exceed 1.5 pounds per hour.

326 IAC 5-1 (Opacity Limitations)

This source is located in Lake County but is not located in an area listed in 326 IAC 5-1-1(c)(4). Therefore, 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, unless otherwise stated in this permit:

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

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

State Rule Applicability - Individual Facilities

326 IAC 6.8-1-2 (Particulate Matter Limitations for Lake County)

This source is located in Lake County, but is not specifically listed in 326 IAC 6.8-2. Pursuant to 326 IAC 6.8-1-2(a), particulate matter from the rotary dryer line (ID #6) shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

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

The rotary dryer line (ID #6) is located in Lake County, however, the potential to emit of fugitive particulate matter from this facility is less than five (5) tons per year. Therefore, the requirements of 326 IAC 6.8-10 do not apply.

326 IAC 1-7 (Stack Height Provisions)

Pursuant to F089-8579-00093, issued on October 13, 1998, SO₂ emissions from the rotary dryer line (ID #6) through stack ID# DSS-1 shall not exceed 24 tons per year. The fuel combusted by the rotary dryer shall not exceed 676 kilogallons per 12 consecutive month period, and sulfur content shall not exceed 0.5 percent (0.5%) by weight, with compliance determined at the end of each month.

326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations)

The natural gas-fired Rotary Dryer (ID# 6E) is not subject to the requirements of 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations) even though it has the potential to emit greater than 25 tons per year of SO₂ because, pursuant to 326 IAC 1-7 and F089-8579-00093; issued on October 13, 1998 the potential to emit SO₂ is limited to 24 tons per year. The fuel oil combusted by the rotary dryer shall not exceed 676 thousand gallons per 12 consecutive month period, and the sulfur content shall not exceed 0.5 percent (0.5%) by weight, with compliance determined at the end of each month. Compliance with the requirements of 326 IAC 1-7 will render the requirements of 326 IAC 7-1.1-2 not applicable.

326 IAC 7-4-1.1 (Lake County Sulfur Dioxide Emission Limitations)

The natural gas-fired Rotary Dryer (ID# 6E) is not subject to the requirements of 326 IAC 7-4-1.1 because it is not subject to the requirements of 326 IAC 7-1.1 and the source is not listed under 326 IAC 7-4-1.1(b).

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

The natural gas-fired Rotary Dryer (ID# 6E) is not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) even though it was constructed after January 1, 1980 because it has the potential to emit less than twenty-five (25) tons of VOC per year.

Compliance Requirements

Permits issued under 326 IAC 2-8 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 2-8-4. 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 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 facility are as follows:

1. The rotary dryer line (ID #6) has applicable compliance monitoring conditions as specified below:
 - (a) Daily visible emissions notations of the rotary dryer line (ID #6) exhaust (ID# DSS-1) shall be performed 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.
 - (b) The Permittee shall record the pressure drop across the baghouse controlling the rotary dryer line, at least once per day when the rotary dryer line is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
 - (c) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
 - (d) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the process line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
 - (e) Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

These monitoring conditions are necessary because the baghouse must operate properly in order to ensure compliance with 326 IAC 6.8-1-2, 26 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-8 (FESOP).

Proposed Changes

The following changes have been made to the permit based on the changes requested by the Permittee and the additional changes made by IDEM, OAQ. Language with a line through it has been deleted, and bold language has been added. The Table of Contents has been updated as necessary.

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Phone: 317-233-~~5674~~ **0178**
Fax: 317-233-~~5967~~ **6865**

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary metallurgical coke and petroleum coke processing plant.

~~Authorized individual: Chairman of the Board~~
Source Address: 23810 Highland Street, Schneider, Indiana 46367
Mailing Address: ~~23810 Highland Street, Schneider, Indiana 46367~~ **P.O. Box 11999, Pittsburgh, PA 15228**
General Source Phone: ~~(412) 344-9900~~ **(219)552-1500**
SIC Code: 2999 and 3999
County Location Status: Lake County
Source Location Status: ~~Nonattainment for ozone under the 8-hour~~ **ozone** standard
~~Nonattainment for PM_{2.5} ozone under the 1-hour standard~~
Attainment for all other criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD and ~~Nonattainment NSR~~ **Emission Offset** Rules
Not 1 of 28 Source Categories

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

(a) Emission units located outdoors:

- (1) Outside storage piles (ID# 1) [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**].
- (2) Crushing Line (ID# 3), with a maximum capacity of 36 tons of metallurgical coke per hour, consisting of the following equipment [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**]:
 - (A) One (1) vibrating pan feeder (ID# 3A).
 - (B) Two (2) conveyors (ID#s 3B and 3C).
 - (C) One (1) enclosed crusher (ID# 3D).
 - (D) One (1) holding bin (ID# 3E).

(b) Emission unit located at the dryer building:

Bulk Truck Unloading (ID# 5), with a maximum capacity of 250 tons of metallurgical coke per hour [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**].

- (c) Emission unit located at the mix/storage building:

Blending Line (ID# 12), with a maximum capacity of 17 tons of metallurgical coke-petroleum coke blend per hour, consisting of the following equipment [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**]:

- (1) Various metallurgical coke inside storage bins (ID# 12A).
- (2) One (1) petroleum coke inside storage pile (ID# 12B).
- (3) One (1) blending area (ID# 12C).

- (d) Emission units located at the sand mix building:

Sand Mix Line (ID# 17), with a maximum capacity of 20 tons of sand per hour, consisting of the following equipment [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**]:

- (1) One (1) intermediate outside storage area (ID# 17A).
- (2) One (1) wet yellow sand inside storage bin (ID# 17B).
- (3) One (1) wet torpedo sand inside storage bin (ID# 17C).
- (4) One (1) bond clay inside storage bin (ID# 17D).
- (5) One (1) pitch inside storage bin (ID# 17E).
- (6) One (1) feed hopper (ID# 17F).
- (7) One (1) conveyor (ID# 17G).
- (8) One (1) self-contained muller (ID# 17H).
- (9) One (1) belt conveyor with pulley mixer (ID# 17I).
- (10) One (1) inside runner-sand mix storage bin (ID# 17J).

There are no additional air pollution control devices attached to any of this equipment.

- (e) The following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment. [326 IAC ~~6-1-2~~ **6.8-1-2(a)**]

~~A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]~~

~~(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either~~

- ~~(1) incorporated as originally stated,~~
- ~~(2) revised, or~~
- ~~(3) deleted~~

~~by this permit.~~

- ~~(b) All previous registrations and permits are superseded by this permit.~~

SECTION B — GENERAL CONDITIONS

B.1 — Permit No Defense [~~IC 13~~]

~~Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.~~

B.2 — Definitions [~~326 IAC 2-8-1~~]

~~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.3 — Permit Term [~~326 IAC 2-8-4(2)~~][~~326 IAC 2-1.1-9.5~~]

~~This permit 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.4 — Enforceability [~~326 IAC 2-8-6~~]

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

B.5 — Termination of Right to Operate [~~326 IAC 2-8-9~~][~~326 IAC 2-8-3(h)~~]

~~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 2-8-3(h) and 326 IAC 2-8-9.~~

B.6 — Severability [~~326 IAC 2-8-4(4)~~]

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

B.7 — Property Rights or Exclusive Privilege [~~326 IAC 2-8-4(5)(D)~~]

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

B.8 — Duty to Provide Information [~~326 IAC 2-8-4(5)(E)~~]

(a) ~~The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.~~

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

B.9 — Compliance Order Issuance [~~326 IAC 2-8-5(b)~~]

~~IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.~~

B.10 — Certification [~~326 IAC 2-8-3(d)~~][~~326 IAC 2-8-4(3)(C)(i)~~][~~326 IAC 2-8-5(1)~~]

(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 an authorized individual 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) An authorized individual is defined at 326 IAC 2-1.1-1(1).~~

~~B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]~~

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

~~Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

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

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

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

~~(2) The compliance status;~~

~~(3) Whether compliance was continuous or intermittent;~~

~~(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and~~

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

~~The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]~~

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), 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.~~

- (b) ~~The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- (c) ~~A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (d) ~~To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.~~

~~B.13 Emergency Provisions [326 IAC 2-8-12]~~

- (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, except as provided in 326 IAC 2-8-12.~~
- (b) ~~An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) ~~An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~
 - (2) ~~The permitted facility was at the time being properly operated;~~
 - (3) ~~During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~
 - (4) ~~For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and the Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;~~~~

~~IDEM, OAQ:~~

~~Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or;~~

~~Telephone No.: 317-233-5674 (ask for Compliance Section)~~

~~Facsimile No.: 317-233-5967~~

~~and~~

~~Northwest Regional Office:~~

~~Telephone No.: 1-888-209-8892 or 219-881-6712~~

~~Facsimile No.: 219-881-6745~~

- (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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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 2-8-4(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(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) — IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(e)(6) be revised in response to an emergency.~~
 - ~~(f) — Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.~~
 - ~~(g) — Operations may continue during an emergency only if the following conditions are met:
 - ~~(1) — 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.~~
 - ~~(2) — If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - ~~(A) — The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and~~
 - ~~(B) — Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.~~~~~~
- ~~Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.~~
- ~~(h) — The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

~~B.14 — Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~

- ~~(a) — Deviations from any permit requirements (for emergencies see Section B — Emergency Provision), 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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 need to be included in this report.~~

~~The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

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

~~B.15 — Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]~~

- ~~(a) — This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~
- ~~(b) — This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:~~
- ~~(1) — That this permit contains a material mistake.~~
- ~~(2) — That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~
- ~~(3) — That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]~~
- ~~(c) — Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]~~
- ~~(d) — The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]~~

~~B.16 — Permit Renewal [326 IAC 2-8-3(h)]~~

- ~~(a) — The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. 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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]~~

~~(1) A timely renewal application is one that is:~~

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

~~(B) 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.~~

~~(2) If IDEM, OAQ upon receiving a timely and complete 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 until the renewal permit has been issued or denied.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]~~

~~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 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.~~

~~B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]~~

~~(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~Any such application shall be certified by the "authorized individual" as defined by
326 IAC 2-1.1-1(1).~~

~~(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]~~

~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

~~B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]~~

~~(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without 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 approval required by 326 IAC 2-8-11.1 has been obtained;~~
- (3) ~~The changes do not result in emissions which exceed the emissions allowable under 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.~~

~~Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).~~

- (b) ~~Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in 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 2-8-15(e).~~
- (c) ~~Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.~~
- (d) ~~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.19 ~~Permit Revision Requirement [326 IAC 2-8-11.1]~~

~~A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.~~

B.20 ~~Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2][IC13-30-3-1][IC13-17-3-2]~~

~~Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as~~

such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP 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, at reasonable times, 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 at reasonable times, 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, at reasonable times, 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.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]~~

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

~~B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]~~

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) 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 317-233-4320 (ask for OAQ, Billing, Licensing and Training Section (BLT)), to determine the appropriate permit fee.

~~B.23 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]~~

(a) ~~The requirements to obtain a permit revision under 326 IAC 2-8-11.1 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.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]~~

~~Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.~~

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

~~Emissions Limitations and Standards [326 IAC 2-8-4(1)]~~

~~C.1 Overall Source Limit [326 IAC 2-8]~~

~~The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.~~

(a) ~~Pursuant to 326 IAC 2-8:~~

(1) ~~The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);~~

(2) ~~The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~

(3) ~~The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty five (25) tons per twelve (12) consecutive month period.~~

(b) ~~Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.~~

(c) ~~This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.~~

(d) ~~Section D of this permit contains independently enforceable provisions to satisfy this requirement.~~

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

~~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, unless otherwise stated in this permit:~~

(a) ~~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.~~

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

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

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

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

~~The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 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 Dust Emissions [326 IAC 6-1-11.1]~~

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

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

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

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

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

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

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

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

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

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

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

(k) ~~Any facility or operation not specified in 326 IAC 6-1-11.1(d) shall meet a twenty percent (20%), three (3) minute average opacity standard.~~

~~The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted in November, 1999. This plan is included as Appendix B.~~

~~C.7 Lake County Particulate Matter Contingency Measures [326 IAC 6-1-11.2]~~

~~The Permittee shall comply with the applicable provisions of 326 IAC 6-1-11.2 (Lake County Particulate Matter Contingency Measures).~~

~~C.8 Operation of Equipment [326 IAC 2-8-5(a)(4)]~~

~~Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.~~

~~C.9 Stack Height [326 IAC 1-7]~~

~~The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.~~

~~C.10 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (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 2-8-4(3)]

C.11 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (c) ~~Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.~~

Compliance Requirements [326 IAC 2-1.1-11]

C.12 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 2-8-4] [326 IAC 2-8-5(a)(1)]

C.13 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

~~Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section~~

D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

~~C.14 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.15 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]~~

~~(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~

~~(b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~

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

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

~~C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]~~

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

~~(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on January 12, 1999.~~

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

~~C.17 Risk Management Plan [326 IAC 2-8-4] [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.18 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]~~

~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:~~

~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.~~

~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee~~

~~documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~

- ~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~
 - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
 - ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
 - ~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- ~~(c) The Permittee is not required to take any further response steps for any of the following reasons:~~
- ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
 - ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.~~
 - ~~(3) An automatic measurement was taken when the process was not operating.~~
 - ~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- ~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

~~C.19 — Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]~~

- ~~(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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

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

~~C.20 — General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]~~

- ~~(a) — Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~
- ~~(b) — Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.~~

~~C.21 — General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]~~

- ~~(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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~
- ~~(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, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~
- ~~(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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

- ~~(e) 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.~~

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 B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, 089-16701-00093, 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, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-8-6]

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

B.5 Severability [326 IAC 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (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 an "authorized individual" 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) An "authorized individual" is defined at 326 IAC 2-1.1-1(1)

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

- (2) The compliance status;
- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (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 except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

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

IDEM, OAQ:

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or

Telephone Number: 317-233-0178 (ask for Compliance Section)

Facsimile Number: 317-233-6865

Northwest Regional Office:

Telephone Number: (219) 757-0265, or

Telephone Number: (888) 209-8892

Facsimile Number: (219) 757-0267

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

Indiana Department of Environmental Management

Compliance Branch, Office of Air Quality

100 North Senate Avenue

Indianapolis, Indiana 46204-2251

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

The notice fulfills the requirement of 326 IAC 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) 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.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.
- (h) Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

- (a) All terms and conditions of permits established prior to 089-16701-00093 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(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
Indianapolis, Indiana 46204-2251

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-8-3. 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

**Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251**

- (b) A timely renewal application is one that is:**
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and**
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.**
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.**

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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
Indianapolis, Indiana 46204-2251**
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]**

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 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
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at in 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 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) **Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.**

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a FESOP 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

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

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][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 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

- (a) Pursuant to 326 IAC 2-8:
 - (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period.
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

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, unless otherwise stated in this permit:

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

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

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

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

The Permittee shall not operate an incinerator 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 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), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The 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 in November, 1999. This plan is included as Attachment A.

C.7 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).

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

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
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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.

Testing Requirements [326 IAC 2-8-4(3)]

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.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 2-8-4][326 IAC 2-8-5(a)(1)]

C.12 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(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
Indianapolis, Indiana 46204-2251

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

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision 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 2-8-4(3)][326 IAC 2-8-5(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 2-8-4][326 IAC 2-8-5(a)(1)]

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on January 12, 1999.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan[326 IAC 2-8-4] [40 CFR 68]

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

C.17 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (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;
 - (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.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) 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.

Stratospheric Ozone Protection

C.21 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.**

D.1.1 Particulate Emission Limitations [326 IAC 2-2] [326 IAC 2-8]

The Permittee shall comply with the following requirements:

- (a) The Dryer Building Rotary Dryer Line (ID# 6) PM emissions shall not exceed ~~4.04~~ **2.0** pounds per hour and the PM-10 emissions shall not exceed ~~0.5~~ **1.5** pounds per hour.

...

D.1.2 ~~Non-attainment Particulate Matter Emission~~ Particulate Matter Emission Limitations for Lake County [326 IAC ~~6-1-2~~ **6.8-1-2**]

Pursuant to 326 IAC ~~6-1-2(a)~~ **6.8-1-2(a)** (~~Non-attainment Particulate Matter Emission~~ **Particulate Matter Emission Limitations for Lake County**), particulate emissions from the Rotary Dryer Line (ID# 6), natural gas-fired combustion source on the Rotary Dryer Line (ID# 6E), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), Bulk Loadout Line (ID# 16) and Bulk Loadout Line (ID# 18) shall not exceed 0.03 grains per dry standard cubic foot.

D.1.3 Lake County: Fugitive Particulate Matter ~~Control Requirements~~ [326 IAC ~~6-1-11.4~~ **6.8-10**]

Pursuant to 326 IAC ~~6-1-11.4~~ **6.8-10** (Lake County: Fugitive Particulate Matter ~~Control Requirements~~), compliance with the opacity limits specified in Condition C.6 (Fugitive Dust Emissions - 326 IAC ~~6-1-11.4~~ **6.8-10**) shall be achieved by controlling fugitive particulate matter emissions from 6' x 20' Scalping Screen (ID# 2), Bulk Truck Unloading (ID# 4), Bulk Truck Unloading (ID# 9), Bulk Truck Unloading (ID# 11), Bulk Truck Unloading (ID# 13), and paved and unpaved roadways according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

D.1.4 Sulfur Dioxide [326 IAC 7-1.1-2] [326 IAC 7-2-1]

Pursuant to 326 IAC 1-7 (Stack Height Provisions) and F089-8579-00093, issued on October 13, 1998, the fuel oil combusted by the natural gas-fired Rotary Dryer (ID#6E) shall not exceed 676 kilogallons per 12 consecutive month period with compliance determined at the end of each month and the sulfur content shall not exceed 0.5 percent (0.5%) by weight, with compliance determined at the end of each month. Compliance with this limit is equivalent to sulfur dioxide emissions of less than 25 tons per year, and will ~~ensure compliance with~~ **render** the requirements of 326 IAC 7-1.1 **not applicable**.

D.1.7 Particulate Control

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses for particulate control shall be in operation and control emissions from the Rotary Dryer Line (ID# 6), natural gas-fired Rotary Dryer (ID# 6E), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15) and Bulk Loadout Line (ID# 16), at all times that the facilities are in operation. The cyclone for particulate control shall be in operation and control emissions from the Rotary Dryer Line (ID #6) at all times that the dryer is in operation.
- (b) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly**

notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.9 Visible Emissions Notations

- (a) Once per ~~shift~~ **day** visible emission notations of the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16) stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

...

- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.~~ **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.**

D.1.10 Parametric Monitoring

The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10), Bagging Line (ID# 14), Supersacker Line (ID# 15), and Bulk Loadout Line (ID# 16) at least once per ~~shift~~ **day** when the facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.5 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- ~~Compliance Response Plan - Failure to Take Response~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - ~~Pressure Gauge and Other Instruments Specifications~~, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

~~D.1.11~~ Baghouse Inspections

~~An inspection shall be performed each calendar quarter of all bags controlling the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One Meter Screen Line (ID# 10) and Bulk Loadout Line (ID# 16). Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~D.1.12~~ **D.1.11 Broken or Failed Bag Detection**

~~In the event that bag failure has been observed:~~

- (a) ~~For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag~~

~~failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

- ~~(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).~~
- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**

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

~~D.1.13 Cyclone Inspections~~

~~An inspection shall be performed each calendar quarter of the cyclone controlling emissions from the Rotary Dryer Line (ID #6). A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.~~

~~D.1.14 Cyclone Failure Detection~~

~~In the event that cyclone failure has been observed:~~

~~Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~

~~D.1.15~~ **D.1.12 Record Keeping Requirements**

~~...~~

- (b) Pursuant to 326 IAC 6-1-11.4 6.8-10-4(4) (Lake County: Fugitive Particulate Matter Control Requirements), the source shall keep the following documentation to show compliance with each of its control measures and control practices:**

...

- (3) For application of physical or chemical control agents not covered by ~~326 IAC 6-4-11.4(B)~~ **paragraph (2) above**, the following:

...

- (c) To document compliance with Condition D.1.9, the Permittee shall maintain records of visible emission notations of the Rotary Dryer Line (ID# 6), Crushing Line (ID# 7), Two-Meter Screen Line (ID# 8), Bulk Loadout Line (ID# 18), One-Meter Screen Line (ID# 10) and Bulk Loadout Line (ID# 16) stack exhaust once per ~~shift~~ **day**.
- (d) To document compliance with Condition D.1.10, the Permittee shall maintain records once per ~~total static-pressure~~ **shift day** of the ~~total static-pressure~~ drop.
- ~~(e) To document compliance with Conditions D.1.11 and D.1.13, the Permittee shall maintain records of the results of the inspections required under Conditions D.1.11 and D.1.13.~~
- ~~(f) To document compliance with Condition D.1.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(g)~~ **e**) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~D.1.16~~ **D.1.13** Reporting Requirements

...

- (b) Pursuant to 326 IAC- ~~6-4-11.4~~ **6.8-10-4(G)** (Lake County Fugitive Particulate Matter ~~Control Requirements~~), a quarterly report shall be submitted, stating the following:

...

SECTION D.2 FACILITY OPERATION CONDITIONS

<p>Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities</p> <p>(a) Emission units located outdoors:</p> <p>(1) Outside storage piles (ID# 1) [326 IAC 6-4-11.4 6.8-10][326 IAC 6-4-11.2 6.8-11].</p> <p>(2) Crushing Line (ID# 3), with a maximum capacity of 36 tons of metallurgical coke per hour, consisting of the following equipment [326 IAC 6-4-11.4 6.8-10][326 IAC 6-4-11.2 6.8-11]:</p> <p>(A) One (1) vibrating pan feeder (ID# 3A).</p> <p>(B) Two (2) conveyors (ID#s 3B and 3C).</p> <p>(C) One (1) enclosed crusher (ID# 3D).</p> <p>(D) One (1) holding bin (ID# 3E).</p> <p>(b) Emission units located at the dryer building:</p> <p>Bulk Truck Unloading (ID# 5), with a maximum capacity of 250 tons of metallurgical coke per hour [326 IAC 6-4-11.4 6.8-10][326 IAC 6-4-11.2 6.8-11].</p> <p>(c) Emission units located at the mix/storage building:</p>
--

Blending Line (ID# 12), with a maximum capacity of 17 tons of metallurgical coke-petroleum coke blend per hour, consisting of the following equipment [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**]:

- (A) Various metallurgical coke inside storage bins (ID# 12A).
- (B) One (1) petroleum coke inside storage pile (ID# 12B).
- (C) One (1) blending area (ID# 12C).

(d) Emission units located at the sand mix building:

Sand Mix Line (ID# 17), with a maximum capacity of 20 tons of sand per hour, consisting of the following equipment [326 IAC ~~6-1-11.1~~ **6.8-10**][326 IAC ~~6-1-11.2~~ **6.8-11**]:

- (1) One (1) intermediate outside storage area (ID# 17A).
- (2) One (1) wet yellow sand inside storage bin (ID# 17B).
- (3) One (1) wet torpedo sand inside storage bin (ID# 17C).
- (4) One (1) bond clay inside storage bin (ID# 17D).
- (5) One (1) pitch inside storage bin (ID# 17E).
- (6) One (1) feed hopper (ID# 17F).
- (7) One (1) conveyor (ID# 17G).
- (8) One (1) self-contained muller (ID# 17H).
- (9) One (1) belt conveyor with pulley mixer (ID# 17I).
- (10) One (1) inside runner-sand mix storage bin (ID# 17J).

(e) The following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment. [326 IAC ~~6-1-2~~ **6.8-1-2**]

(f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-5]

(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 2-8-4(1)]

D.2.1 ~~Non-attainment Particulate Matter Emission Limitations for Lake County~~ [326 IAC ~~6-1-2~~ **6.8-1-2]**
Pursuant to 326 IAC ~~6-1-2(a)~~ **6.8-1-2(a)** (~~Non-attainment Particulate Matter Emission Limitations for Lake County~~), particulate emissions from the following equipment related to manufacturing activities not resulting in the emissions of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment shall not exceed 0.03 grains per dry standard cubic foot.

D.2.2 Lake County: Fugitive Particulate Matter Control Requirements [326 IAC ~~6-1-11.1~~ **6.8-10]**
Pursuant to 326 IAC ~~6-1-11.1~~ **6.8-10** (Lake County Fugitive Particulate Matter ~~Control Requirements~~), compliance with the opacity limits specified in Condition C.6 (Fugitive Dust Emissions - 326 IAC ~~6-1-11.1~~ **6.8-10**) shall be achieved by controlling fugitive particulate matter emissions from Outside Storage Piles (ID# 1), Bulk Truck Unloading (ID# 5), Blending Line (ID#

12), and Sand Mix Line (ID# 17) according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

D.2.5 Fugitive Particulate Matter (PM)

Pursuant to 326 IAC ~~6-4-11.4~~ **6.8-10** (Lake County: Fugitive Particulate Matter Control Requirements), opacity from the activities shall be determined as follows:

...

D.2.6 Record Keeping Requirements

(a) Pursuant to 326 IAC ~~6-4-11.4~~ **6.8-10** (Lake County: Fugitive Particulate Matter Control Requirements), the source shall keep the following documentation to show compliance with each of its control measures and control practices:

...

(3) For application of physical or chemical control agents not covered by ~~326 IAC 6-4-11.4(B)~~, **paragraph (2) above**, the following:

...

D.2.7 Reporting Requirements

Pursuant to 326 IAC ~~6-4-11.4~~ **6.8-10** (Lake County: Fugitive Particulate Matter Control Requirements), a quarterly report shall be submitted, stating the following:

...

ATTACHMENT A FUGITIVE DUST CONTROL PLAN CARB-RITE COMPANY - SCHNEIDER, INDIANA PLANT

1.0 INTRODUCTION

The purpose of this fugitive dust control plan is to maintain compliance with Indiana Rule 326 LAC 6-4, Fugitive Dust Emissions as it pertains to fugitive dust emissions from paved roadways and surfaces, unpaved roadways and surfaces and outdoor metallurgical coke storage piles at Carb-Rite Company's Schneider, Indiana plant. The Rule requires that: (1) fugitive dust emissions from a source (i.e., the Carb-Rite plant) must not "cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient downwind concentrations. . ."; (2) the ground level ambient air concentrations must not exceed "fifty (50) micrograms per cubic meter above background concentration for a sixty (60) minute period"; and (3) fugitive dust must not be "visible the boundary or property line of the source". This plan will be implemented until such time as another plan is approved or ordered by the Indiana Department of Environmental Management (IDEM). The on-site person who is responsible for implementing the plan is the Plant Manager.

2.0 PAVED ROADS AND SURFACES

Paved roads and surfaces are indicated on the attached site plan. Fugitive dust emissions from the locations will be controlled by sweeping using a vehicular road sweeper. Sweeping shall be performed, as necessary, to prevent excessive dust loadings on the paved roads/surfaces. Additional sweeping shall be conducted upon indication of visible dust transport toward plant property boundaries.

3.0 UNPAVED ROADS AND SURFACES

The unpaved roads and surfaces are indicated on the attached site plan. Fugitive dust emissions from these locations shall be controlled by wetting the surfaces with water, as necessary, to prevent release and transport of excessive visible dust emissions during dry weather periods.

4.0 OUTDOOR STORAGE PILES

The areas where metallurgical coke is stored outdoors are indicated on the attached site plan (Areas L, M-1, M-2, N and X). Fugitive dust emissions from these locations shall be controlled by the application of water to the pile surfaces, as necessary, to prevent release and transport of excessive visible dust emissions during dry weather periods.

5.0 VEHICLE SPEED CONTROL

Vehicle speed on plant roadways will be limited to five miles per hour by the posting of the speed limit on conspicuous signs.

6.0 MATERIAL SPILL CONTROL

Incidents of material spillage that impact control of fugitive dust shall be addressed by the person responsible for implementing this plan. That person shall arrange for prompt cleanup of the spilled materials) and shall ensure that other appropriate corrective action is taken, if necessary, to mitigate excessive fugitive dust emissions during and after the cleanup activity.

7.0 RECORDKEEPING

The sweeping and cleaning of paved roadways and paved surfaces both indoors and outdoors are performed on a regular basis because the material on these surfaces is recycled back through plant processes and is considered a valuable commodity. This incentive ensures that dust loadings on paved surfaces are maintained at low levels. As a result, records of the sweeping of paved surfaces are not necessary. Records of water application on the unpaved road and surfaces shall be kept in a journal which will be updated upon completion of water application events or material spill cleanup activities. The journal entries shall include the dates of the activities. The journals shall be retained for three years and shall be available for inspection by IDEM personnel upon reasonable prior notice.

ADDENDUM FOR FUGITIVE DUST CONTROL PLAN SITE MAP AS REVISED APRIL, 2005

1. During 2000 and 2001 all plant roadways and pads which were previously unpaved were paved with either concrete or asphalt except 156' of unpaved area between the front entrance gate and the old grain elevator located just outside the front entrance gate by the office.
2. Material trucks (Semi Dumps) hauls the wet Coke Breeze (3/8" x 0") with the moisture content varying from six percent (6%) to thirty percent (30%) into the plant. They dump the materials depending on the various specifications into the stock piles on the concrete pads. The average trucks per day is ten (10), consisting of Semi Dump, Pneumatic Tanker and Flatbed Trucks.
3. Materials from the stock piles are then transferred to the dryer, inside the Dryer building at a rate of thirty tons per hour (30 tph).
4. Material exits the dryer onto a cooling auger and then to a conveyor and then across a scalping screen. From the scalping screen, the material is placed into two (2) separate stock piles inside the same building.
5. The oversize is then loaded into a pneumatic tanker or a dump truck from that building and shipped out.
6. The other pile is sized on the 2.0 Mogensen and transferred into the mixing bins in the Mix Building or transferred through the building to the bagger or the super sacker. The process involves transferring, drying, sizing, blending, packaging and shipping.

- 7. The length and width of roadways are included on the site map.**

SITE MAP

The operation of this stationary metallurgical coke and petroleum coke processing plant shall be subject to the conditions of the attached proposed Significant Permit Revision No. 089-24085-00093.

Company Name: Carb - Rite Company
 Plant Location: 23810 Highland Street, Schneider, Indiana 46376
 SPR to FESOP: 089-24085-00093
 Permit Reviewer: ERG/ST
 Date: 2/26/2007

Change in Potential to Emit of Rotary Dryer Line #6 After Limits in SPR 089-24085-00093

Process Line Description	New PM Emission Limit (lb/hr)	New PM10 Emission Limit (lb/hr)	Potential PM Emissions (ton/yr)	Potential PM10 Emissions (ton/yr)
Rotary Dryer Line #6	2.0	1.5	8.76	6.57

Methodology

Potential PM/PM10 Emissions (ton/yr) = New PM/PM10 Emission Limit (lb/hr) x 8760 hr/yr x 1 ton/2,000lb

SUMMARY

This calculations summary is taken from Appendix A to the TSD for FESOP 089-16701-00093, and shows the changes in potential emissions at this source due to this Significant Permit Modification. See Appendix A to the TSD for FESOP 089-16701-00093 for full details on the potential to emit calculations for this source.

I. PM

Building	Process Line Description	Potential PM Emissions Before Ctrls			Potential PM Emissions After Ctrls		326 IAC 6-3 Allowable PM Emissions	
		(lb/hr)	(lb/day)	(tons/yr)	(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
Dryer Building	Rotary Dryer Line #6	93.42	2241.97	409.16	1.04	2.00	4.53	8.76
	Screening Line (2 Meter Screen)	1.27	30.56	5.58	0.09	0.38	25.16	110.21
	Crushing Line **	5.83	139.95	25.54	4.88	21.38	44.58	195.24
	Bulk Loadout Line **	3.62	86.97	15.87	2.43	10.63	35.43	155.20
	Bulk Truck Unloading	0.03	0.61	0.11	0.03	0.11	60.96	266.99
Screening Building	Screening Line	3.07	73.77	13.46	1.55	6.80	19.18	84.00
	Bulk Truck Unloading *	6.04	144.94	26.45	6.04	26.45	60.96	266.99
Mix/Storage Building	Blending Line	0.76	18.22	3.33	0.76	3.33	27.36	119.86
	Bulk Loadout Line **	7.25	173.93	31.74	4.86	21.27	44.58	195.24
	Bulk Truck Unloading *	6.04	144.94	26.45	6.04	26.45	60.96	266.99
	Bulk Rail Unloading **	4.93	118.22	21.58	4.93	21.58	33.02	144.62
Warehouse/Bagging Building	Bagging Line **	1.57	37.78	6.89	1.22	5.32	25.16	110.21
	Supersacker Line **	1.94	46.47	8.48	1.58	6.91	22.86	100.14
Sand Mix Building	Sand Mix Line	0.02	0.52	0.09	0.02	0.09	30.51	133.64
Raw Material Storage Building	Bulk Truck Unloading *	6.04	144.94	26.45	6.04	26.45	60.96	266.99
	Outside Crusher Line	0.83	19.93	3.64	0.15	0.64	41.57	182.10
Outdoors	Outside Screening Line	4.10	98.29	17.94	0.30	1.29	44.58	195.24
	Outside Storage Piles	0.43	10.20	1.86	0.43	1.86	-	-
	Transport (Paved and Unpaved)	30.89	741.29	135.29	30.89	135.29	-	-
	TOTAL	165.98	3983.62	727.0	64.16	62.12	267.88	272.10

* represents operations that are performed one at a time, therefore emissions from these operations are not additive.

** represents worst case emissions for lines that process either met coke or pet coke.

II. PM-10

Building	Process Line Description	Potential PM-10 Emissions Before Ctrls			Potential PM-10 Emissions After Ctrls	
		(lb/hr)	(lb/day)	(tons/yr)	(lb/hr)	(tons/yr)
Dryer Building	Rotary Dryer Line #6	45.57	1093.67	199.60	0.50	1.5
	Screening Line (2 Meter Screen)	0.63	15.23	2.78	0.04	0.18
	Crushing Line **	2.59	62.04	11.32	2.30	10.07
	Bulk Loadout Line **	1.71	41.13	7.51	1.15	5.03
	Bulk Truck Unloading	0.01	0.29	0.05	0.01	0.05
Screening Building	Screening Line	1.50	35.93	6.56	0.74	3.23
	Bulk Truck Unloading *	2.86	68.55	12.51	2.86	12.51
Mix/Storage Building	Blending Line	0.36	8.62	1.57	0.36	1.57
	Bulk Loadout Line **	3.43	82.26	15.01	2.30	10.06
	Bulk Truck Unloading *	2.86	68.55	12.51	2.86	12.51
	Bulk Rail Unloading **	2.33	55.92	10.20	2.33	10.20
Warehouse/Bagging Building	Bagging Line **	0.74	17.87	3.26	0.57	2.52
	Supersacker Line **	0.92	21.98	4.01	0.75	3.27
Sand Mix Building	Sand Mix Line	0.01	0.24	0.04	0.01	0.04
Raw Material Storage Building	Bulk Truck Unloading *	2.86	68.55	12.51	2.86	12.51
	Outside Crusher Line	0.01	0.33	0.06	0.01	0.06
Outdoors	Outside Screening Line	2.07	49.78	9.08	0.17	0.76
	Outside Storage Piles	0.43	10.20	1.86	0.43	1.86
	Transport (Paved and Unpaved)	4.72	113.33	20.68	4.72	20.68
	TOTAL	69.89	1677.39	306.1	19.25	20.25

* represents operations that are performed one at a time, therefore emissions from these operations are not additive.

** represents worst case emissions for lines that process either met coke or pet coke.