



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: February 27, 2008  
RE: Carb-Rite Company / 089-26124-00093  
FROM: Matthew Stuckey, Deputy Branch Chief  
Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

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

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

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

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

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

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

Enclosures  
FNPER-AM.dot12/3/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
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Eugene M. Cox  
Carb-Rite Company  
731-733 Washington Road, 5<sup>th</sup> Floor, P.O. Box 11999  
Pittsburgh, PA 15228

February 27, 2008

Re: 089-26124-00093  
First Administrative Amendment to  
F089-16701-00093

Dear Mr. Cox:

Carb-Rite Company was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F089-16701-00093 on October 1, 2004, for a stationary metallurgical coke and petroleum coke processing plant located at 23810 Highland Street, Schneider, Indiana 46376. On February 20, 2008, the Office of Air Quality (OAQ) received an application from the source requesting that the FESOP Renewal permit term be extended to ten (10) years. On December 16, 2007, rule revisions to 326 IAC 2-1.1-9.5 and 326 IAC 2-8-4 were finalized allowing for ten (10) year permit terms on FESOP renewals. IDEM has determined that this change to the permit will be processed as an administrative amendment pursuant to 326 IAC 2-8-10. Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

(a) The expiration date on the cover page has been extended by five (5) years as follows:

Issuance Date: October 1, 2004  
Expiration Date: October 1, ~~2009~~ **2014**

(b) Condition B.2 has been revised to reflect the ten (10) year permit term.

**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)~~ **ten (10)** 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.

All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Pam K. way, of my staff, at 317-234-5373 or 1-800-451-6027, and ask for extension 4-5373.

Original signed by,

Alfred C. Dumauual, Ph.D., Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Updated Permit

ACD/pkw

cc: File - Lake County  
Lake County Health Department  
U.S. EPA, Region V  
Air Compliance Section  
IDEM Northwest Regional Office  
Compliance Data Section  
Technical Support and Modeling  
Permits Administrative and Development  
Billing, Licensing and Training Section



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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, 2014
First Significant Permit Revision No.: 089-24085-00093, issued May 14, 2007	
First Administrative Amendment No. F089-26124-00093	
Original signed by:  Alfred C. Dumauual, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date: February 27, 2008  Expiration Date: October 1, 2014

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## SECTION A SOURCE SUMMARY

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

### A.1 General Information [326 IAC 2-8-3(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:	731-733 Washington Rd., 5 <sup>th</sup> Fl., PO 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 PM <sub>2.5</sub> Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD, Emission Offset, and Nonattainment NSR Not 1 of 28 Source Categories

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

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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 ( $^{\circ}\text{C}$ ) ( $100^{\circ}\text{F}$ ) or
  - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at  $20^{\circ}\text{C}$  ( $68^{\circ}\text{F}$ ); 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]

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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]

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

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

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- (a) This permit, 089-16701-00093, is issued for a fixed term of ten (10) 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]

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

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

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

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

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

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

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

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

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

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 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)]

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- (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]**

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- (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)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

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- (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]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a 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)]**

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- (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]**

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- (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

<b>Entire Source</b>
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### 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]**

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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]**

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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 PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

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

**C.7 Lake County Particulate Matter Contingency Measures [326 IAC 6.8-11]**

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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]**

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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]

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- (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]

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

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

#### C.12 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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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]**

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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)]**

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

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

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

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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]**

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

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

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- (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]**

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. 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**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with 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]**

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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]**

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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]**

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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]**

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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)]**

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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]**

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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**

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- (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**

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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**

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- (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

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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

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- (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

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- (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

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- (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 (38EC) (one hundred degrees Fahrenheit (100EF));
    - (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 (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):
    - (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 or 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)

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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**

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- (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: 731-733 Washington Road, 5<sup>th</sup> Fl., 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:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify)
- 9 Report (specify)
- 9 Notification (specify)
- 9 Affidavit (specify)
- 9 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: 731-733 Washington Road, 5<sup>th</sup> Fl., P.O. Box 11999, Pittsburgh, PA 15228  
FESOP No.: F089-16701-00093

**This form consists of 2 pages**

**Page 1 of 2**

<p><b>9</b> This is an emergency as defined in 326 IAC 2-7-1(12) XThe 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 XThe Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16</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 <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

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

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

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

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

A certification is not required for this report.

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

**FESOP Quarterly Report**

Source Name: Carb-Rite Company  
Source Address: 23810 Highland Street, Schneider, Indiana 46376  
Mailing Address: 731-733 Washington Road, 5<sup>th</sup> Fl., 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			

9 No deviation occurred in this quarter.

9 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: 731-733 Washington Road, 5<sup>th</sup> Fl., 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:**

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

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

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

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

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

Attach a signed certification to complete this report.

## **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.

