



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: Sept. 28, 2010
RE: Duke Energy Indiana Inc. – Gallagher Gen. Station / 043-27078-00004
FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204.

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

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

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

Duke Energy Indiana, Inc. - Gallagher Generating Station
30 Jackson Street
New Albany, Indiana 47150

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-2 and 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T043-27078-00004	
Issued by:  Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: Sept. 28, 2010 Expiration Date: Sept. 28, 2015

TABLE OF CONTENTS

A. SOURCE SUMMARY.....	8
A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]	
A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]	
A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]	
A.4 Part 70 Permit Applicability [326 IAC 2-7-2]	
B. GENERAL CONDITIONS.....	11
B.1 Definitions [326 IAC 2-7-1]	
B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]	
B.3 Term of Conditions [326 IAC 2-1.1-9.5]	
B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]	
B.5 Severability [326 IAC 2-7-5(5)]	
B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]	
B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]	
B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]	
B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]	
B.11 Emergency Provisions [326 IAC 2-7-16]	
B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]	
B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]	
B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]	
B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]	
B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]	
B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12] [40 CFR 72]	
B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]	
B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]	
B.20 Source Modification Requirement [326 IAC 2-7-10.5]	
B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]	
B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]	
B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]	
B.24 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]	
B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS.....	21
Emission Limitations and Standards [326 IAC 2-7-5(1)]	
C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2 Opacity [326 IAC 5-1]	
C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5 Fugitive Dust Emissions [326 IAC 6-4]	
C.6 Stack Height [326 IAC 1-7]	
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-7-6(1)]	
C.8 Performance Testing [326 IAC 3-6]	

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)]
[326 IAC 2-6]

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]
[326 IAC 2-3]

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]
[326 IAC 2-2]

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

C.20 Ambient Monitoring [326 IAC 7-3]

D.1 FACILITY OPERATION CONDITIONS - One (1) Coal-Fired Boiler (Boiler No.1).....28

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

D.1.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

D.1.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]

D.1.4 Nitrogen Oxides (NO_x) Emissions Limitation [326 IAC 10-1-4]

D.1.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

D.1.8 Particulate Control [326 IAC 2-7-6(6)]

D.1.9 Continuous Emissions Monitoring (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]

D.1.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]

D.1.11 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]

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

D.1.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.14 SO₂ Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(1)]

D.1.15 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]

D.1.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

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

D.1.17 Record Keeping Requirements

D.1.18 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - One (1) Coal-Fired Boiler (Boiler No.2).....35

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

- D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]
- D.2.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]
- D.2.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]
- D.2.4 Nitrogen Oxides (NO_x) Emissions Limitation [326 IAC 10-1-4]
- D.2.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
- D.2.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.2.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.2.8 Particulate Control [326 IAC 2-7-6(6)]
- D.2.9 Continuous Emissions Monitoring (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]
- D.2.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]
- D.2.11 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]

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

- D.2.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.2.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.2.14 SO₂ Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(1)]
- D.2.15 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]
- D.2.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

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

- D.2.17 Record Keeping Requirements
- D.2.18 Reporting Requirements

D.3 FACILITY OPERATION CONDITIONS - One (1) Coal-Fired Boiler (Boiler No.3).....42

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

- D.3.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]
- D.3.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]
- D.3.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]
- D.3.4 Nitrogen Oxides (NO_x) Emissions Limitation [326 IAC 10-1-4]
- D.3.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
- D.3.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.3.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.3.8 Particulate Control [326 IAC 2-7-6(6)]
- D.3.9 Continuous Emissions Monitoring (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]
- D.3.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]
- D.3.11 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]

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

- D.3.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.3.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.3.14 SO₂ Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(1)]
- D.3.15 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]
- D.3.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

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

- D.3.17 Record Keeping Requirements
- D.3.18 Reporting Requirements

D.4 FACILITY OPERATION CONDITIONS - One (1) Coal-Fired Boiler (Boiler No.4)49

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

- D.4.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]
- D.4.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]
- D.4.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]
- D.4.4 Nitrogen Oxides (NO_x) Emissions Limitation [326 IAC 10-1-4]
- D.4.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]
- D.4.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.4.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.4.8 Particulate Control [326 IAC 2-7-6(6)]
- D.4.9 Continuous Emissions Monitoring (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]
- D.4.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]
- D.4.11 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]

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

- D.4.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.4.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.4.14 SO₂ Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(1)]
- D.4.15 Nitrogen Oxide (NO_x) Emissions [326 IAC 10-1]
- D.4.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

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

- D.4.17 Record Keeping Requirements
- D.4.18 Reporting Requirements

D.5 FACILITY OPERATION CONDITIONS - Coal Storage and Handling.....56

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

- D.5.1 Particulate [326 IAC 6-3-2]
- D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.5.3 Particulate Control [326 IAC 2-7-6(6)]

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

- D.5.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

- D.5.5 Record Keeping Requirements

D.6 FACILITY OPERATION CONDITIONS – Dry Fly Ash Handling and Disposal System.....58

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

- D.6.1 PSD Minor Limits [326 IAC 2-2] and Nonattainment NSR Limits [326 IAC 2-1.1-5]
- D.6.2 Particulate [326 IAC 6-3-2]
- D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.6.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.6.5 Particulate Control

Compliance Monitoring Requirements

- D.6.6 Visible Emission Notations
- D.6.7 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

D.6.8 Record Keeping Requirements

D.7 FACILITY OPERATION CONDITIONS - Insignificant Activities.....61

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

D.7.1 Organic Solvent Degreasing Operations: Cold Cleaner Operation [326 IAC 8-3-2]

D.7.2 Organic Solvent Degreasing Operations: Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]

D.7.3 Fugitive Dust Emission Limitations [326 IAC 6-4-2]

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

D.7.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

D.7.5 Record Keeping Requirements

D.8 EMISSIONS UNIT OPERATION CONDITIONS - Sorbent Storage Silos.....64

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

D.8.1 PSD Minor Limits and Nonattainment NSR Limits [326 IAC 2-2] [326 IAC 2-1.1-5]

D.8.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

D.8.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.8.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

D.8.5 Particulate Control [326 IAC 2-7-6(6)]

Compliance Monitoring Requirements

D.8.6 Visible Emission Notations

D.8.7 Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

D.8.8 Record Keeping Requirements

E.1 NEW SOURCE PERFORMANCE STANDARDS [326 IAC 12-1][40 CFR 60].....67

E.1.1 General Provisions Relating to new Source Performance Standards [326 IAC 12-1][40 CFR 60, Subpart A]

E.1.2 Standard of Performance for Nonmetallic Mineral Processing Plants Requirements [326 IAC 12-1] [40 CFR 60, Subpart OOO]

E.2 ACID RAIN PROGRAM CONDITIONS.....68

Acid Rain Program

E.2.1 Acid Rain Permit [326 IAC 2-7-5(1)(C)] [326 IAC 21] [40 CFR 72 through 40 CFR 78]

E.2.2 Title IV Emissions Allowances [326 IAC 2-7-5(4)] [326 IAC 21]

F RESERVED.....69

G Clean Air Interstate (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a).....70

G.1 Automatic Incorporation of Definitions [326 IAC 24-1-7(e)] [326 IAC 24-2-7(e)] [326 IAC 24-3-7(e)] [40 CFR 97.123(b)] [40 CFR 97.223(b)] [40 CFR 97.323(b)]

G.2 Standard Permit Requirements [326 IAC 24-1-4(a)] [326 IAC 24-2-4(a)]

- G.3 [326 IAC 24-3-4(a)] [40 CFR 97.106(a)] [40 CFR 97.206(a)] [40 CFR 97.306(a)]
Monitoring, Reporting, and Record Keeping Requirements [326 IAC 24-1-4(b)]
[326 IAC 24-2-4(b)] [326 IAC 24-3-4(b)] [40 CFR 97.106(b)] [40 CFR 97.206(b)]
[40 CFR 97.306(b)]
- G.4.1 Nitrogen Oxides Emission Requirements [326 IAC 24-1-4(c)] [40 CFR 97.106(c)]
- G.4.2 Sulfur Dioxide Emission Requirements [326 IAC 24-2-4(c)] [40 CFR 97.206(c)]
- G.4.3 Nitrogen Oxides Ozone Season Emission Requirements [326 IAC 24-3-4(c)]
[40 CFR 97.306(c)]
- G.5 Excess Emissions Requirements [326 IAC 24-1-4(d)] [326 IAC 24-2-4(d)]
[326 IAC 24-3-4(d)] [40 CFR 97.106(d)] [40 CFR 97.206(d)] [40 CFR 97.306(d)]
- G.6 Record Keeping Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)]
[326 IAC 24-3-4(e)] [326 IAC 2-7-5(3)] [40 CFR 97.106(e)] [40 CFR 97.206(e)]
[40 CFR 97.306(e)]
- G.7 Reporting Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)]
[40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]
- G.8 Liability [326 IAC 24-1-4(f)] [326 IAC 24-2-4(f)] [326 IAC 24-3-4(f)] [40 CFR 97.106(f)]
[40 CFR 97.206(f)] [40 CFR 97.306(f)]
- G.9 Effect on Other Authorities [326 IAC 24-1-4(g)] [326 IAC 24-2-4(g)] [326 IAC 24-3-4(g)]
[40 CFR 97.106(g)] [40 CFR 97.206(g)] [40 CFR 97.306(g)]
- G.10 CAIR Designated Representative and Alternate CAIR Designated Representative [326 IAC 24-1-6]
[326 IAC 24-2-6] [326 IAC 24-3-6] [40 CFR 97, Subpart BB] [40 CFR 97, Subpart BBB] [40 CFR 97,
Subpart BBBB]

Certification.....76
Emergency Occurrence Report.....77
Quarterly Deviation and Compliance Monitoring Report.....79

Attachment A: Subpart OOO, New Source Performance Standard for Nonmetallic Mineral Processing Plants
Attachment B: Acid Rain Permit No. 043-29353-00004

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 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(21)]

The Permittee owns and operates a stationary electric utility generating station.

Source Address:	Jackson Street, New Albany, Indiana 47150
General Source Phone Number:	317-838-2108
SIC Code:	4911
County Location:	Floyd
Source Location Status:	Nonattainment for PM _{2.5} Standard Attainment or unclassifiable for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules; Major Source, under Nonattainment NSR Rules; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted

through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.

All coal burned in Boilers No. 1-4, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

- (e) One (1) coal transfer system for Boilers 1, 2, 3, and 4, with a nominal throughput of 800 tons of coal per hour, construction commenced prior to 1974, with equipment including barge unloading, truck unloading, a coal storage pile, conveying, coal bunkers and scale equipped with dust collector for all units.
- (f) One (1) dry fly ash handling and disposal system, including the following:
 - (1) One (1) pneumatic fly ash transfer system from boiler baghouses to a fly ash storage silo, with a maximum throughput of 17 tons of fly ash per hour, equipped with two (2) separators/mechanical exhausters and one (1) back-up to separate the fly ash, with PM emissions from the storage silo controlled by the separators and a bin vent baghouse.
 - (2) Two (2) activated carbon silos, each with a maximum storage capacity of 60 tons.
 - (3) Loading of fly ash into trucks for transport the landfill and unloading of fly ash from trucks at the landfill.
 - (4) Wind Erosion of fly ash from the landfill.
 - (5) Fugitive dust from equipment traffic at the landfill.
 - (6) Fugitive dust from trucks traveling between the storage silo and the landfill.
- (g) Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved for construction in 2010, each equipped with a baghouse to control particulate matter emissions during loading. Sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

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

- (a) Cleaners and solvents characterized as follows: [326 IAC 8-3]
 - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38°C (100°F) or;
 - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]

- (c) Multiple ash ponds, with a combined surface area of 57 acres [326 IAC 6-4].

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability); and
- (c) It is an affected source under Title IV (Acid Deposition Control) of the Clean Air Act, as defined in 326 IAC 2-7-1(3).

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T043-27078-00004, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

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

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

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

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

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

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

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

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

- (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 July 1 of each year to:

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

The Permittee shall implement the PMPs.

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of

the emergency;

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has

issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T043-27078-00004 and issued pursuant to permitting programs approved into the state implementation plan have been either
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

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

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

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

Request for renewal shall be submitted to:

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

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

B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

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

B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable

SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c). The notification requirement per (a)(4) of this condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the **notification** requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.

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

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

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1][IC 13-17-3-2]

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

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

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

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

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

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

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

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

B.24 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet

the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

-
- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of

the test.

- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

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

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

The statement must be submitted to:

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

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

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such recordkeeping.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the "project" (as defined in

326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:

- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
 - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted not later than sixty (60) days after the end of the year and contain the following:
 - (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

Ambient Monitoring Requirements [326 IAC 7-3]

C.20 Ambient Monitoring [326 IAC 7-3]

- (a) The Permittee shall operate continuous ambient sulfur dioxide air quality monitors and a meteorological data acquisition system according to a monitoring plan submitted to the commissioner for approval. The monitoring plan shall include requirements listed in 326 IAC 7-3-2(a)(1), 326 IAC 7-3-2(a)(2) and 326 IAC 7-3-2(a)(3).
- (b) The Permittee and other operators subject to the requirements of this rule, located in the same county, may submit a joint monitoring plan to satisfy the requirements of this rule. [326 IAC 7-3-2(c)]
- (c) The Permittee may petition the commissioner for an administrative waiver of all or some of the requirements of 326 IAC 7-3 if such owner or operator can demonstrate that ambient monitoring is unnecessary to determine continued maintenance of the sulfur dioxide ambient air quality standards in the vicinity of the source. [326 IAC 7-3-2(d)]

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

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

D.1.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 1 stack shall not exceed 0.36 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m³
Q = 5,840 MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.1.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(a) (Temporary Alternative Opacity Limitations), the following applies:

- (1) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]
- (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the forty percent (40%) opacity limitation established in section 326 IAC 5-1-2. However, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

(b) If a facility cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]

Pursuant to 326 IAC 7-4-9 (Floyd County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Boiler No. 1 shall not exceed 4.70 pounds per million Btu (lbs/MMBtu) based on a thirty (30) day rolling weighted average.

D.1.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 1 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.1.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in USA v Cinergy, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.7 Testing Requirements [326 IAC 2-7-6(1)(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.1.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner not later than December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.1.8 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.1.1, the baghouse for particulate control of Boiler No. 1 shall be in operation and control emissions from Boiler No. 1 at all times that the boiler is in operation.

D.1.9 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] [326 IAC 2-7-5(3)(A)(iii)]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.
- (e) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (f) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (g) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (h) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (i) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.1.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 4.70 pounds per MMBtu based on a thirty (30) day rolling weighted average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:
 - (1) Coal sampling shall be performed using the methods specified in 326 IAC 3-7-2(a), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2(c), (d), and (e); or
 - (2) Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (c) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.1.11 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the Permittee shall demonstrate that Boiler No. 1 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

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

D.1.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 1 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this

permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.1.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall take reasonable response whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (c) The Permittee may request that the IDEM, OAQ approve an opacity trigger level different than the one specified in (a) and (b) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

D.1.14 SO₂ Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the automatic coal sampling system or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

- (a) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.1.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (b) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart (a) above). The daily SO₂ rate measured by using the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.1.3.

D.1.15 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 1 and 2 according to the requirements of 326 IAC 3.

- (b) The NO_x CEMs on the common stack for Boilers No. 1 and 2 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (c) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (d) Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.
- (e) Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 1 until the CEMs is brought back online.

D.1.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
- (b) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
- (c) Method 9 readings may be discontinued once a COMS is online.
- (d) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

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

D.1.17 Record Keeping Requirements

- (a) To document the compliance status with the particulate matter and opacity Conditions D.1.1, D.1.2, D.1.9, D.1.12, D.1.13, and D.1.16 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.1.1 and D.1.2.
 - (1) Data and results from the most recent stack test.
 - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5-6.
 - (3) The results of all Method 9 visible emission readings taken during any periods of COM downtime.
 - (4) All baghouse parametric monitoring readings.
- (b) To document the compliance status with the SO₂ Conditions D.1.3, D.1.10 and D.1.14, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.1.3 and D.1.10. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEMs is not used.
 - (1) Whenever using CEMS data to demonstrate the compliance status with Condition D.1.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC

7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.

- (2) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.1.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.1.3, the Permittee shall maintain actual fuel usage since last compliance determination period.
- (c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
 - (d) To document the compliance status with the NO_x Conditions D.1.4, D.1.9, D.1.11 and D.1.15, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.1.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.1.4 and D.1.11.
 - (e) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.1.18 Reporting Requirements

- (a) In order to report the documented compliance status with the SO₂ limits included in Conditions D.1.3, D.1.10 and D.1.14 the following is required:
 - (1) When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]
 - (2) When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted

not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

- (d) Pursuant to 326 IAC 10-1-7, the Permittee shall submit the following documents:
 - (1) A statement, signed by the owner or operator, certifying that the source has achieved compliance with the requirements of this rule.
 - (2) Emissions compliance test reports.
 - (3) Continuous emissions monitoring system performance evaluation reports.
 - (A) Records shall be maintained for three (3) years.
 - (B) Records required by this rule shall be submitted to the department or the U.S. EPA within thirty (30) days of receipt of a written request.
 - (C) A source subject to this rule shall notify the department at least thirty (30) days prior to the addition or modification of a facility that may result in a potential increase in NO_x emissions.
 - (D) The owner or operator of an affected source may comply with the reporting requirement of this rule by submitting to the department a substitute report. A substitute report is a report that satisfies an applicable state or federal reporting requirement and contains the information required to be submitted by 326 IAC 10-1-7.
- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

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

D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 2 stack shall not exceed 0.36 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m³
Q = 5,840 MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.2.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(a) (Temporary Alternative Opacity Limitations), the following applies:

- (1) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]
- (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the forty percent (40%) opacity limitation established in section 326 IAC 5-1-2. However, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

(b) If a facility cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

D.2.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]

Pursuant to 326 IAC 7-4-9 (Floyd County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Boiler No. 2 shall not exceed 4.70 pounds per million Btu (lbs/MMBtu) based on a thirty (30) day rolling weighted average.

D.2.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 2 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.2.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in USA v Cinergy, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.2.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.2.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner not later than December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.2.8 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.2.1, the baghouse for particulate control of Boiler No. 2 shall be in operation and control emissions from Boiler No. 2 at all times that the boiler is in operation.

D.2.9 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] [326 IAC 2-7-5(3)(A)(iii)]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.
- (e) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (f) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (g) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (h) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (i) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.2.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 4.70 pounds per MMBtu based on a thirty (30) day rolling weighted average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:
 - (1) Coal sampling shall be performed using the methods specified in 326 IAC 3-7-2(a), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2(c), (d), and (e); or
 - (2) Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (c) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.2.11 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 2 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

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

D.2.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouses at least once per day when the Boiler No. 2 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this

permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.2.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall take reasonable response whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (c) The Permittee may request that the IDEM, OAQ approve an opacity trigger level different than the one specified in (a) and (b) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

D.2.14 SO₂ Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the automatic coal sampling system or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

- (a) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.2.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (b) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart (a) above). The daily SO₂ rate measured by using the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.2.3.

D.2.15 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 1 and 2 according to the requirements of 326 IAC 3.

- (b) The NO_x CEMs on the common stack for Boilers No. 1 and 2 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (c) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (d) Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.
- (e) Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 2 until the CEMs is brought back online.

D.2.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
- (b) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
- (c) Method 9 readings may be discontinued once a COMS is online.
- (d) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

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

D.2.17 Record Keeping Requirements

- (a) To document the compliance status with the particulate matter and opacity Conditions D.2.1, D.2.2, D.2.9, D.2.12, D.2.13, and D.2.16 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.2.1 and D.2.2.
 - (1) Data and results from the most recent stack test.
 - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5.
 - (3) The results of all Method 9 visible emission readings taken during any periods of COM downtime.
 - (4) All baghouse parametric monitoring readings.
- (b) To document the compliance status with the SO₂ Conditions D.2.3, D.2.10 and D.2.14, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.2.3 and D.2.10. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.
 - (1) Whenever using CEMS data to demonstrate the compliance status with Condition D.2.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC

7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.

- (2) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.2.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.2.3, the Permittee shall maintain actual fuel usage since last compliance determination period.
- (c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
 - (d) To document the compliance status with the NO_x Conditions D.2.4, D.2.9, D.2.11 and D.2.15, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.2.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.2.4 and D.2.11.
 - (e) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.2.18 Reporting Requirements

- (a) In order to report the documented compliance status with the SO₂ limits included in Conditions D.2.3, D.2.10 and D.2.14 the following is required:
 - (1) When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]
 - (2) When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted

not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

- (d) Pursuant to 326 IAC 10-1-7, the Permittee shall submit the following documents:
 - (1) A statement, signed by the owner or operator, certifying that the source has achieved compliance with the requirements of this rule.
 - (2) Emissions compliance test reports.
 - (3) Continuous emissions monitoring system performance evaluation reports.
 - (A) Records shall be maintained for three (3) years.
 - (B) Records required by this rule shall be submitted to the department or the U.S. EPA within thirty (30) days of receipt of a written request.
 - (C) A source subject to this rule shall notify the department at least thirty (30) days prior to the addition or modification of a facility that may result in a potential increase in NO_x emissions.
 - (D) The owner or operator of an affected source may comply with the reporting requirement of this rule by submitting to the department a substitute report. A substitute report is a report that satisfies an applicable state or federal reporting requirement and contains the information required to be submitted by 326 IAC 10-1-7.
- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

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

D.3.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 3 stack shall not exceed 0.36 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m³
Q = 5,840 MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.3.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(a) (Temporary Alternative Opacity Limitations), the following applies:

- (1) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]
- (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the forty percent (40%) opacity limitation established in section 326 IAC 5-1-2. However, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

(b) If a facility cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

D.3.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]

Pursuant to 326 IAC 7-4-9 (Floyd County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Boiler No. 3 shall not exceed 4.70 pounds per million Btu (lbs/MMBtu) based on a thirty (30) day rolling weighted average.

D.3.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 3 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.3.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in USA v Cinergy, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.3.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.3.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner not later than December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.3.8 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.3.1, the baghouse for particulate control of Boiler No. 3 shall be in operation and control emissions from Boiler No. 3 at all times that the boiler is in operation.

D.3.9 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] [326 IAC 2-7-5(3)(A)(iii)]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.
- (e) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (f) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (g) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (h) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (j) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.3.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 4.70 pounds per MMBtu based on a thirty (30) day rolling weighted average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:
 - (1) Coal sampling shall be performed using the methods specified in 326 IAC 3-7-2(a), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2(c), (d), and (e); or
 - (2) Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures, provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (c) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.3.11 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 3 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

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

D.3.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 3 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this

permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.3.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall take reasonable response whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (c) The Permittee may request that the IDEM, OAQ approve an opacity trigger level different than the one specified in (a) and (b) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

D.3.14 SO₂ Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the automatic coal sampling system or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

- (a) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.3.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (b) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart (a) above). The daily SO₂ rate measured by using the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.3.3.

D.3.15 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 3 and 4 according to the requirements of 326 IAC 3.

- (b) The NO_x CEMs on the common stack for Boilers No. 3 and 4 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (c) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (d) Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.
- (e) Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 3 until the CEMs is brought back online.

D.3.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
- (b) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
- (c) Method 9 readings may be discontinued once a COMS is online.
- (d) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

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

D.3.17 Record Keeping Requirements

- (a) To document the compliance status with the particulate matter and opacity Conditions D.3.1, D.3.2, D.3.9, D.12, D.3.13, and D.3.16 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.3.1 and D.3.2.
 - (1) Data and results from the most recent stack test.
 - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5.
 - (3) The results of all Method 9 visible emission readings taken during any periods of COM downtime.
 - (4) All baghouse parametric monitoring readings.
- (b) To document the compliance status with the SO₂ Conditions D.3.3, D.3.10 and D.3.14 the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.3.3 and D.3.10. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.
 - (1) Whenever using CEMS data to demonstrate the compliance status with Condition D.3.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC

- 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
- (2) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.3.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.3.3, the Permittee shall maintain actual fuel usage since last compliance determination period.
- (c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
 - (d) To document the compliance status with the NO_x Conditions D.3.4, D.3.9, D.3.11 and D.3.15, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.3.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.3.4 and D.3.11.
 - (e) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.3.18 Reporting Requirements

- (a) In order to report the documented compliance status with the SO₂ limits included in Conditions D.3.3, D.3.10 and D.3.14 the following is required:
 - (1) When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]
 - (2) When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted

not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

- (d) Pursuant to 326 IAC 10-1-7, the Permittee shall submit the following documents:
 - (1) A statement, signed by the owner or operator, certifying that the source has achieved compliance with the requirements of this rule.
 - (2) Emissions compliance test reports.
 - (3) Continuous emissions monitoring system performance evaluation reports.
 - (A) Records shall be maintained for three (3) years.
 - (B) Records required by this rule shall be submitted to the department or the U.S. EPA within thirty (30) days of receipt of a written request.
 - (C) A source subject to this rule shall notify the department at least thirty (30) days prior to the addition or modification of a facility that may result in a potential increase in NO_x emissions.
 - (D) The owner or operator of an affected source may comply with the reporting requirement of this rule by submitting to the department a substitute report. A substitute report is a report that satisfies an applicable state or federal reporting requirement and contains the information required to be submitted by 326 IAC 10-1-7.
- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

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

D.4.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 4 stack shall not exceed 0.36 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μm³
Q = 5,840 MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.4.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(a) (Temporary Alternative Opacity Limitations), the following applies:

- (1) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]
- (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the forty percent (40%) opacity limitation established in section 326 IAC 5-1-2. However, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

(b) If a facility cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

D.4.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-9]

Pursuant to 326 IAC 7-4-9 (Floyd County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Boiler No. 4 shall not exceed 4.70 pounds per million Btu (lbs/MMBtu) based on a thirty (30) day rolling weighted average.

D.4.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 4 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.4.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in *USA v Cinergy*, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.4.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.4.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.4.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner not later than December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.4.8 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.4.1, the baghouse for particulate control of Boiler No. 4 shall be in operation and control emissions from Boiler No. 4 at all times that the boiler is in operation.

D.4.9 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] [326 IAC 2-7-5(3)(A)(iii)]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.
- (e) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (f) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (g) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (h) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (i) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.4.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-9]

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 4.70 pounds per MMBtu based on a thirty (30) day rolling weighted average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:
 - (1) Coal sampling shall be performed using the methods specified in 326 IAC 3-7-2(a), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2(c), (d), and (e); or
 - (2) Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (c) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.4.11 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 4 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

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

D.4.12 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 4 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this

permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.4.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall take reasonable response whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (d) The Permittee may request that the IDEM, OAQ approve an opacity trigger level different than the one specified in (a) and (b) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

D.4.14 SO₂ Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the automatic coal sampling system or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

- (a) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.4.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.
- (b) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart (a) above). The daily SO₂ rate measured by using the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.4.3.

D.4.15 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 3 and 4 according to the requirements of 326 IAC 3.

- (b) The NO_x CEMs on the common stack for Boilers No. 3 and 4 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (c) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (d) Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.
- (e) Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 4 until the CEMs is brought back online.

D.4.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
- (b) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
- (c) Method 9 readings may be discontinued once a COMS is online.
- (d) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

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

D.4.17 Record Keeping Requirements

- (a) To document the compliance status with the particulate matter and opacity Conditions D.4.1, D.4.2, D.4.9, D.4.12, D.4.13, and D.4.16 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.4.1 and D.4.2.
 - (1) Data and results from the most recent stack test.
 - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5.
 - (3) The results of all Method 9 visible emission readings taken during any periods of COM downtime.
 - (4) All baghouse parametric monitoring readings.
- (b) To document the compliance status with the SO₂ Conditions D.4.3, D.4.10 and D.4.14, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.4.3 and D.4.10. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.
 - (1) Whenever using CEMS data to demonstrate the compliance status with Condition D.4.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC

- 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
- (2) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.4.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate the compliance status with condition D.4.3, the Permittee shall maintain actual fuel usage since last compliance determination period.
- (c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
 - (d) To document the compliance status with the NO_x Conditions D.4.4, D.4.9, D.4.11 and D.4.15, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.4.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.4.4 and D.4.11.
 - (e) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.4.18 Reporting Requirements

- (a) In order to report the documented compliance status with the SO₂ limits included in Conditions D.4.3, D.4.10 and D.4.14 the following is required:
 - (1) When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]
 - (2) When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted

not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

- (d) Pursuant to 326 IAC 10-1-7, the Permittee shall submit the following documents:
 - (1) A statement, signed by the owner or operator, certifying that the source has achieved compliance with the requirements of this rule.
 - (2) Emissions compliance test reports.
 - (3) Continuous emissions monitoring system performance evaluation reports.
 - (A) Records shall be maintained for three (3) years.
 - (B) Records required by this rule shall be submitted to the department or the U.S. EPA within thirty (30) days of receipt of a written request.
 - (C) A source subject to this rule shall notify the department at least thirty (30) days prior to the addition or modification of a facility that may result in a potential increase in NO_x emissions.
 - (D) The owner or operator of an affected source may comply with the reporting requirement of this rule by submitting to the department a substitute report. A substitute report is a report that satisfies an applicable state or federal reporting requirement and contains the information required to be submitted by 326 IAC 10-1-7.
- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

A coal transfer system for Boilers No. 1, No. 2, No. 3, and No. 4, with a nominal throughput of 800 tons of coal per hour, construction commenced prior to 1974, with equipment including barge unloading, truck unloading, a coal storage pile, conveying, coal bunkers and scale equipped with dust collectors (enclosures) for all units.

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

D.5.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents shall not exceed 75 pounds per hour when operating at a process weight of 800 tons per hour. This is determined by the following equation:

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

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

When the process weight rate exceeds two hundred (200) tons per hour, the maximum allowable emission may exceed 75 pounds per hour, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of gases.

D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.5.3 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the watering system for the coal storage pile shall be in operation and control emissions as needed when coal is being unloaded, conveyed, or stored except when the ambient temperature is at or below the freezing point.

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

D.5.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents shall be performed once per week during normal daylight operations. A trained employee shall record whether any emissions are observed.
- (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.
- (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 at any baghouse exhaust, the Permittee shall take reasonable

response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit. Observation of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust emissions) or an applicable opacity limit is not a deviation from this permit.

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

D.5.5 Record Keeping Requirements

- (a) To document the compliance status with Condition D.5.4, the Permittee shall maintain records of the visible emission notations of the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents and all response steps taken and the outcome for each. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that week).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Dry fly ash handling and disposal system, including the following:

- (1) One (1) pneumatic fly ash transfer system from boiler baghouses to a fly ash storage silo, with a maximum throughput of 17 tons of fly ash per hour, equipped with two (2) separators/mechanical exhausters and one (1) back-up to separate the fly ash, with PM emissions from the storage silo controlled by the separators and a bin vent baghouse.
- (2) Two (2) activated carbon silos, each with a maximum storage capacity of 60 tons.
- (3) Loading of fly ash into trucks for transport the landfill and unloading of fly ash from trucks at the landfill.
- (4) Wind Erosion of fly ash from the landfill.
- (5) Fugitive dust from equipment traffic at the landfill.
- (6) Fugitive dust from trucks traveling between the storage silo and the landfill.

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

D.6.1 PSD Minor Limits and Nonattainment NSR [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to Significant Permit Modification No. 043-22712-00004, issued on April 9, 2007, the following limits are required in order to render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable. The Permittee shall comply with the following for the fly ash handling and disposal operation:

- (a) PM/PM₁₀ emissions from each separator shall not exceed 0.91 pounds per hour.
- (b) The Permittee shall operate only two (2) separators at one time.
- (c) PM/PM₁₀ emissions from the silo bin vent filter shall not exceed 0.41 pounds per hour.

Compliance with these limits in conjunction with the potential fugitive emissions from truck loading and unloading, vehicular traffic, the activated carbon silos, wind erosion of fly ash from the landfill, and dust from equipment traffic at the landfill will ensure that the PM emissions are less than twenty-five (25) tons/yr and PM₁₀ emissions are less than 15 tons/yr, and renders the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable.

D.6.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the pneumatic fly ash transfer system shall not exceed 27.5 pounds per hour when operating at a process weight rate of 17.0 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.6.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM and PM₁₀ limitations in Condition D.6.1 shall be determined by a performance stack test on one (1) of the three (3) separators on the ash silo conducted using methods as approved by the Commissioner as least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). The separator tested shall be the unit in which the longest amount of time has elapsed since its previous test. Section C- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. PM₁₀ includes filterable and condensable PM₁₀.

D.6.5 Particulate Control

In order to comply with the particulate matter limitations in Conditions D.6.1 and D.6.2, the baghouse filter separators and bin vent baghouse for particulate control shall be in operation and control emissions from the pneumatic fly ash transfer system at all times that the associated process is in operation and transferring flyash.

Compliance Monitoring Requirements

D.6.6 Visible Emissions Notations

- (a) Visible emission notations of the truck loading and unloading stations shall be performed at least once per day during normal daylight operations when ash is being loaded and unloaded. A trained employee shall record whether any emissions are normal or abnormal.
- (b) Visible emission notations of the pneumatic fly ash conveyance shall be performed at least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (c) Visible emission notations of the separators exhaust and the ash silo bin vent baghouse exhaust shall be performed at least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (d) Visible emission notations of the dry spout shall be performed at least once per day during normal daylight operations when unloading ash through the dry spout. A trained employee shall record whether emissions are normal or abnormal.
- (e) Visible emissions of the landfill area shall be performed at least once per day during normal daylight hours. A trained employee shall record whether emissions are normal or abnormal.
- (f) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (g) 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.
- (h) 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.
- (i) 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.

- (j) If abnormal emissions are observed at any baghouse exhaust or the truck loading and unloading points, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Observations of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions) or an applicable opacity limit is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

D.6.7 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse filter separators at least once per day when the pneumatic fly ash system is in operation and transferring ash. The hourly average pressure drop, as recorded by the plant's data management system, shall be considered a valid hour if there are at least sixteen (16) consecutive minutes in the hour when the unit is in operation and transferring ash. When for any valid hourly average reading, the pressure drop across the baghouse filter separators is outside the normal range of 1.25 to 6 inches of water column for the separators or a range established during the latest stack test, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedance contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with the Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer’s specifications or replaced at least once every six (6) months. The specifications shall be available on site with the Preventive Maintenance Plan.

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

D.6.8 Record Keeping Requirements

- (a) To document the compliance status with D.6.6, the Permittee shall maintain records of all the daily visible emissions notations of the truck loading and unloading stations, pneumatic fly ash conveyance, separators exhaust and the ash silo bin vent baghouse exhaust, dry spout, and landfill area. The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that day).
- (b) To document the compliance status with D.6.7, the Permittee shall maintain a daily record of the pressure drop across the baghouse filter separators during normal operation. The Permittee shall include in its daily record when a valid hourly average pressure drop reading is not taken for the day and the reason for not collecting a valid hourly average pressure drop reading for the day (e.g., the process did not operate that day). If the for any reason a valid hourly average pressure drop is not collected for the day the Permittee shall keep a record of the manual pressure drop reading for the day.
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.7

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Insignificant Activities [326 IAC 2-7-1(21)]:

- (1) Multiple ash ponds, with a combined surface area of 57 acres [326 IAC 6-4].
- (2) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

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

D.7.1 Organic Solvent Degreasing Operations: Cold Cleaner Operation [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), 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.7.2 Organic Solvent Degreasing Operations: Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for a cold cleaner degreaser facility, the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control) for a cold cleaning facility, 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.

D.7.3 Fugitive Dust Emission Limitations [326 IAC 6-4-2]

Pursuant to 326 IAC 6-4-2:

- (a) Any ash storage pond area generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:
- (1) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100(R) - U}{U}$$

Where

P = Percentage increase

R = Number of particles of fugitive dust measured at downward receptor site

U = Number of particles of fugitive dust measured at upwind or background site

- (2) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$P_R = (1.5 \pm N) P$$

Where

N = Fraction of fugitive dust that is respirable dust;

P_R = allowable percentage increase in dust concentration above background; and

P = no value greater than sixty-seven percent (67%).

- (3) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

- (4) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.
- (b) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.

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

D.7.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the ash storage pond area(s) shall be performed at least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Adverse weather conditions shall not relieve the Permittee of responsibility to take reasonable response steps to mitigate fugitive dust formation and transport. Failure to take response steps in shall be considered a deviation from this permit.
- (c) If abnormal emissions are observed from the ash storage pond area(s), the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Observation of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions), 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) or an applicable opacity limit is not a deviation from this permit. Failure to take response steps in shall be considered a deviation from this permit.
- (d) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.
- (e) 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.
- (f) 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.

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

D.7.5 Record Keeping Requirements

- (a) To document the compliance status with Section C - Opacity, Section C -Fugitive Dust Emissions and Conditions D.7.3 and D.7.4, the Permittee shall maintain records of the visible emission notations of the fly ash storage pond area(s). The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the plant was closed that day).
- (b) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.8 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (g) Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved in 2010 for construction, each equipped with a baghouse to control particulate matter emissions during loading. Once the dry sorbent injection system is constructed and operational sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.

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

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

D.8.1 PSD Minor Limit and Nonattainment NSR [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to Significant Source Modification No. 043-29143-00004, the Permittee shall comply with the following:

- (a) PM emissions from the sorbent storage silos shall not exceed 3.4 pounds per hour.
- (b) PM_{2.5} emissions from the sorbent storage silos shall not exceed 1.8 pounds per hour.

Compliance with these limits in conjunction with the potential fugitive emissions from vehicular traffic, will ensure that the PM emissions from the sorbent storage silos system are less than 25 tons/yr and PM_{2.5} emissions are less than 10 tons/yr, and render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the 2010 modification.

D.8.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate matter (PM) from the dry sorbent silo shall not exceed 29.4 pounds per hour when operating at a process weight rate of 24 tons per hour. The pound per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67}$$

Where:

E = rate of emission in pounds per hour and

P = process weight rate in tons per hour

D.8.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.8.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouse, in order to determine compliance with Condition D.8.1, the Permittee shall perform PM testing on one (1) of the two (2) sorbent silo baghouses utilizing methods as approved by the Commissioner at least once every five (5) years from

the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

- (b) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouses, the Permittee shall perform PM₁₀ testing on one (1) of the two (2) sorbent silo baghouses utilizing methods as approved by the Commissioner once to demonstrate compliance with the PM₁₀ limit. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (c) In order to determine compliance with Condition D.8.1, the Permittee shall perform PM_{2.5} testing of one (1) of the two (2) sorbent silo baghouses within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after initial startup, whichever is later utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.8.5 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or in this permit, the baghouse for particulate control shall be in operation and control emissions at all times that trucks are unloading into the dry sorbent injection silo.

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

D.8.6 Visible Emissions Notations

- (a) Visible emission notations of a sorbent silo baghouse stack exhaust shall be performed once per week during normal daylight operations when loading. 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. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the performance testing required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.8.7 Parametric Monitoring

The Permittee shall record the pressure drop across each baghouse used in conjunction with the sorbent silo, at least once per day when a sorbent silo is being loaded by truck and exhausting to the atmosphere. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the performance testing required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered deviation from the 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 as specified by the manufacturer or replaced at least once every six (6) months.

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

D.8.8 Record Keeping Requirements

- (a) To document the compliance status with Condition D.8.6 - Visible Emission Notation, the Permittee shall maintain weekly records of the visible emission notations of the sorbent silo exhaust stacks when loading. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).
- (b) To document the compliance status with Condition D.8.7 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse controlling the sorbent silo. 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).
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (g) Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved in 2010 for construction, each equipped with a baghouse to control particulate matter emissions during loading. Once the dry sorbent injection system is constructed and operational sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.

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

New Source Performance Standards [326 IAC 12-1] [40 CFR 60]

E.1.1 General Provision Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the sorbent storage silo, except as otherwise specified in 40 CFR Part 60, Subpart 000.
- (b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:
Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 Standard of Performance for Nonmetallic Mineral Processing Plants Requirements [326 IAC 12-1] [40 CFR 60, Subpart 000]

Pursuant to 40 CFR 60 Subpart 000, the Permittee shall comply with the applicable provisions of Standard of Performance for Nonmetallic Mineral Processing Plants which are incorporated by reference as 326 IAC 12 as specified as follows:

- (1) 40 CFR 60.670
- (2) 40 CFR 60.671
- (3) 40 CFR 60.672
- (4) 40 CFR 60.673
- (5) 40 CFR 60.674
- (6) 40 CFR 60.675
- (7) 40 CFR 60.676
- (8) Table 1 to Subpart 000
- (9) Table 2 to Subpart 000
- (10) Table 3 to Subpart 000

SECTION E.2 TITLE IV ACID RAIN PROGRAM CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.—
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.

(The information contained in this box is descriptive information and does not constitute enforceable conditions.)

Acid Rain Program

E.2.1 Acid Rain Permit [326 IAC 2-7-5(1)(C)] [326 IAC 21] [40 CFR 72 through 40 CFR 78]

Pursuant to 326 IAC 21 (Acid Deposition Control), the Permittee shall comply with all provisions of the Acid Rain permit issued for this source, and any other applicable requirements contained in 40 CFR 72 through 40 CFR 78. The Acid Rain permit for this source is attached to this permit as Appendix A, and is incorporated by reference.

E.2.2 Title IV Emissions Allowances [326 IAC 2-7-5(4)] [326 IAC 21]

Emissions exceeding any allowances that the Permittee lawfully holds under the Title IV Acid Rain Program of the Clean Air Act are prohibited, subject to the following limitations:

- (a) No revision of this permit shall be required for increases in emissions that are authorized by allowances acquired under the Title IV Acid Rain Program, provided that such increases do not require a permit revision under any other applicable requirement.
- (b) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not use allowances as a defense to noncompliance with any other applicable requirement.
- (c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

SECTION F

RESERVED

SECTION G Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a)

ORIS Code: 1008

CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a) and 326 IAC 24-3-1(a)

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.

All coal burned in Boilers No. 1-4, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

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

G.1 Automatic Incorporation of Definitions [326 IAC 24-1-7(e)] [326 IAC 24-2-7(e)] [326 IAC 24-3-7(e)] [40 CFR 97.123(b)] [40 CFR 97.223(b)] [40 CFR 97.323(b)]

This CAIR permit is deemed to incorporate automatically the definitions of terms under 326 IAC 24-1-2, 326 IAC 24-2-2, and 326 IAC 24-3-2.

G.2 Standard Permit Requirements [326 IAC 24-1-4(a)] [326 IAC 24-2-4(a)] [326 IAC 24-3-4(a)] [40 CFR 97.106(a)] [40 CFR 97.206(a)] [40 CFR 97.306(a)]

- (a) The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units shall operate each source and unit in compliance with this CAIR permit.

- (b) The CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units subject to this CAIR permit are, Boiler No. 1, Boiler No. 2, Boiler No. 3, and Boiler No. 4.

G.3 Monitoring, Reporting, and Record Keeping Requirements [326 IAC 24-1-4(b)][326 IAC 24-2-4(b)][326 IAC 24-3-4(b)] [40 CFR 97.106(b)] [40 CFR 97.206(b)][40 CFR 97.306(b)]

- (a) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall comply with the applicable monitoring, reporting, and record keeping requirements of 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.
- (b) The emissions measurements recorded and reported in accordance with 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11 shall be used to determine compliance by each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source with the CAIR NO_x emissions limitation under 326 IAC 24-1-4(c), CAIR SO₂ emissions limitation under 326 IAC 24-2-4(c), and CAIR NO_x ozone season emissions limitation under 326 IAC 24-3-4(c) and Condition G.4.1, Nitrogen Oxides Emission Requirements, Condition G.4.2, Sulfur Dioxide Emission Requirements, and Condition G.4.3, Nitrogen Oxides Ozone Season Emission Requirements.

G.4.1 Nitrogen Oxides Emission Requirements [326 IAC 24-1-4(c)] [40 CFR 97.106(c)]

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 326 IAC 24-1-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 326 IAC 24-1-11.
- (b) A CAIR NO_x unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.
- (c) A CAIR NO_x allowance shall not be deducted for compliance with the requirements under 326 IAC 24-1-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (d) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x allowance tracking system accounts in accordance with 326 IAC 24-1-9, 326 IAC 24-1-10, and 326 IAC 24-1-12.
- (e) A CAIR NO_x allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_x annual trading program. No provision of the CAIR NO_x annual trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-1-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR NO_x allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-1-8, 326 IAC 24-1-9, 326 IAC 24-1-10, or 326 IAC 24-1-12, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in this CAIR permit.

G.4.2 Sulfur Dioxide Emission Requirements [326 IAC 24-2-4(c)] [40 CFR 97.206(c)]

- (a) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions for the control period under 326 IAC 24-2-8(j) and 326 IAC 24-2-8(k) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 326 IAC 24-2-10.

- (b) A CAIR SO₂ unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.
- (c) A CAIR SO₂ allowance shall not be deducted for compliance with the requirements under 326 IAC 24-2-4(c)(1), for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (d) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ allowance tracking system accounts in accordance with 326 IAC 24-2-8, 326 IAC 24-2-9, and 326 IAC 24-2-11.
- (e) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ trading program. No provision of the CAIR SO₂ trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-2-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR SO₂ allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-2-8, 326 IAC 24-2-9, or 326 IAC 24-2-11, every allocation, transfer or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in this CAIR permit.

G.4.3 Nitrogen Oxides Ozone Season Emission Requirements [326 IAC 24-3-4(c)] [40 CFR 97.306(c)]

- (a) As of the allowance transfer deadline for a control period, the owners and operators of the each CAIR NO_x ozone season source and each CAIR NO_x ozone season unit at the source shall hold, in the source's compliance account, CAIR NO_x ozone season allowances available for compliance deductions for the control period under 326 IAC 24-3-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x ozone season units at the source, as determined in accordance with 326 IAC 24-3-11.
- (b) A CAIR NO_x ozone season unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.
- (c) A CAIR NO_x ozone season allowance shall not be deducted for compliance with the requirements under 326 IAC 24-3-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_x ozone season allowance was allocated.
- (d) CAIR NO_x ozone season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x ozone season allowance tracking system accounts in accordance with 326 IAC 24-3-9, 326 IAC 24-3-10, and 326 IAC 24-3-12.
- (e) A CAIR NO_x for a control period allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_x ozone season trading program. No provision of the CAIR NO_x ozone season trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-3-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR NO_x for a control period allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-3-8, 326 IAC 24-3-9, 326 IAC 24-3-10, or 326 IAC 24-3-12, every allocation, transfer, or deduction of a CAIR NO_x ozone season allowance to or from a CAIR NO_x ozone season source's compliance account is incorporated automatically in this CAIR permit.

G.5 Excess Emissions Requirements [326 IAC 24-1-4(d)] [326 IAC 24-2-4(d)] [326 IAC 24-3-4(d)]
[40 CFR 97.106(d)] [40 CFR 97.206(d)] [40 CFR 97.306(d)]

- (a) The owners and operators of a CAIR NO_x source and each CAIR NO_x unit that emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation shall do the following:
- (1) Surrender the CAIR NO_x allowances required for deduction under 326 IAC 24-1-9(j)(4).
 - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-1-4, the Clean Air Act (CAA), and applicable state law.

- (b) The owners and operators of a CAIR SO₂ source and each CAIR SO₂ unit that emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation shall do the following:
- (1) Surrender the CAIR SO₂ allowances required for deduction under 326 IAC 24-2-8(k)(4).
 - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-2-4, the Clean Air Act (CAA), and applicable state law.

- (c) The owners and operators of a CAIR NO_x ozone season source and each CAIR NO_x ozone season unit that emits nitrogen oxides during any control period in excess of the CAIR NO_x ozone season emissions limitation shall do the following:
- (1) Surrender the CAIR NO_x ozone season allowances required for deduction under 326 IAC 24-3-9(j)(4).
 - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-3-4, the Clean Air Act (CAA), and applicable state law.

G.6 Record Keeping Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)]
[326 IAC 2-7-5(3)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

Unless otherwise provided, the owners and operators of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall keep on site at the source or at a central location within Indiana for those owners or operators with unattended sources, each of the following documents for a period of five (5) years from the date the document was created:

- (a) The certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), and 326 IAC 24-3-6(h) for the CAIR designated representative for the source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation. The certificate and documents shall be retained on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond such five (5) year period until such documents are superseded because of the submission of a new account certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), and 326 IAC 24-3-6(h) changing the CAIR designated representative.
- (b) All emissions monitoring information, in accordance with 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11, provided that to the extent that 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11 provides for a three (3) year period for record keeping, the three (3) year period shall apply.

- (c) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program.
- (d) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program or to demonstrate compliance with the requirements of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program.

This period may be extended for cause, at any time before the end of five (5) years, in writing by IDEM, OAQ or the U.S. EPA. Unless otherwise provided, all records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

G.7 Reporting Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)]
[40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

- (a) The CAIR designated representative of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall submit the reports required under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program, including those under 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.
- (b) Pursuant to 326 IAC 24-1-4(e), 326 IAC 24-2-4(e), and 326 IAC 24-3-4(e) and 326 IAC 24-1-6(e)(1), 326 IAC 24-2-6(e)(1), and 326 IAC 24-3-6(e)(1), each submission under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
- (c) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to IDEM, OAQ, the information shall be submitted to:

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

- (d) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to U.S. EPA, the information shall be submitted to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204N
Washington, DC 20460

G.8 Liability [326 IAC 24-1-4(f)] [326 IAC 24-2-4(f)] [326 IAC 24-3-4(f)] [40 CFR 97.106(f)]
[40 CFR 97.206(f)] [40 CFR 97.306(f)]

The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall be liable as follows:

- (a) Each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall meet the requirements of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program, respectively.
- (b) Any provision of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program that applies to a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source or the CAIR designated representative of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source shall also apply to the owners and operators of such source and of the CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units at the source.
- (c) Any provision of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program that applies to a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit or the CAIR designated representative of a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall also apply to the owners and operators of such units.

G.9 Effect on Other Authorities [326 IAC 24-1-4(g)] [326 IAC 24-2-4(g)] [326 IAC 24-3-4(g)]
[40 CFR 97.106(g)] [40 CFR 97.206(g)] [40 CFR 97.306(g)]

No provision of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program, a CAIR permit application, a CAIR permit, or an exemption under 326 IAC 24-1-3, 326 IAC 24-2-3, and 326 IAC 24-3-3 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source or CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act (CAA).

G.10 CAIR Designated Representative and Alternate CAIR Designated Representative [326 IAC 24-1-6]
[326 IAC 24-2-6] [326 IAC 24-3-6] [40 CFR 97, Subpart BB] [40 CFR 97, Subpart BBB] [40 CFR 97, Subpart BBBB]

Pursuant to 326 IAC 24-1-6, 326 IAC 24-2-6, and 326 IAC 24-3-6:

- (a) Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source, including all CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units at the source, shall have one (1) and only one (1) CAIR designated representative, with regard to all matters under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program concerning the source or any CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source.
- (b) The provisions of 326 IAC 24-1-6(f), 326 IAC 24-2-6(f), and 326 IAC 24-3-6(f) shall apply where the owners or operators of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source choose to designate an alternate CAIR designated representative.

Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), whenever the term "CAIR designated representative" is used, the term shall be construed to include the CAIR designated representative or any alternate CAIR designated representative.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: 30 Jackson Street, New Albany, Indiana 47150
Part 70 Permit No.: T043-27078-00004

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Telephone:

Date:

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: 30 Jackson Street, New Albany, Indiana 47150
Part 70 Permit No.: T043-27078-00004

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

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

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

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: 30 Jackson Street, New Albany, Indiana 47150
Part 70 Permit No.: T043-27078-00004

Months: _____ to _____ Year: _____

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

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By:

Title/Position:

Date:

Phone:



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

**TITLE IV (ACID RAIN) PERMIT RENEWAL
OFFICE OF AIR QUALITY**

**Duke Energy Indiana, Inc. – Gallagher Generating Station
30 Jackson Street
New Albany, Indiana 47150**

ORIS: 1008

The owners and operators (hereinafter collectively known as the Permittee) of the above source are issued this permit under the provisions of 326 Indiana Administrative Code (IAC) 21 with conditions listed on the attached pages.

Operation Permit No.: AR 043-19351-00004	
Issued by: Original signed by Paul Dubenetzky Assistant Commissioner Office of Air Quality	Issuance Date: June 28, 2006 Expiration Date: June 28, 2011
Administrative Amendment No.: AR 043- 29353-00004 Pages Affected: Entire Permit	
Issued by: Tripurari P. Sinha, PhD., Section Chief Permits Branch Office of Air Quality	Issuance Date: June 18, 2010 Expiration Date: June 28, 2011

Title IV Operating Conditions

Title IV Source Description:

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.–
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr). Particulate matter emissions are controlled by a baghouse. SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.

(The information contained in this box is descriptive information and does not constitute enforceable conditions.)

1. Statutory and Regulatory Authorities

In accordance with IC 13-17-3-4 and IC 13-17-3-11 as well as Titles IV and V of the Clean Air Act, the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) issues this permit pursuant to 326 IAC 2 and 326 IAC 21 (incorporates by reference 40 Code of Federal Regulations (CFR) 72 through 78).

2. Standard Permit Requirements [326 IAC 21]

- (a) The designated representative has submitted a complete acid rain permit application in accordance with 40 CFR 72.30.
- (b) The Permittee shall operate Units 1, 2, 3, and 4 in compliance with this permit.

3. Monitoring Requirements [326 IAC 21]

- (a) The Permittee and, to the extent applicable, the designated representative of Units 1, 2, 3, and 4 shall comply with the monitoring requirements as provided in 40 CFR 75 and 76.

- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 76 shall be used to determine compliance by Units 1, 2, 3, and 4 with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (c) The requirements of 40 CFR 75 and 76 shall not affect the responsibility of the Permittee to monitor emissions of other pollutants or other emissions characteristics at Units 1, 2, 3, and 4 under other applicable requirements of the Clean Air Act and other provisions of the operating permit for the source.

4. Sulfur Dioxide Requirements [326 IAC 21]

- (a) The Permittee shall:
 - (1) Hold allowances, as of the allowance transfer deadline (as defined in 40 CFR 72.2), in the compliance subaccount of Units 1, 2, 3, and 4, after deductions under 40 CFR 73.34(c), not less than the total annual emissions of sulfur dioxide for the previous calendar year from Units 1, 2, 3, and 4; and,
 - (2) Comply with the applicable acid rain emissions limitations for sulfur dioxide.
- (b) Each ton of sulfur dioxide emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Clean Air Act.
- (c) Units 1, 2, 3, and 4 shall be subject to the requirements under paragraph 4(a) of the sulfur dioxide requirements as follows:
 - (1) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or,
 - (2) Starting on the latter of January 1, 2000, or the deadline for monitor certification under 40 CFR 75, an affected unit under 40 CFR 72.6(a)(3).
- (d) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (e) An allowance shall not be deducted in order to comply with the requirements under paragraph 4(a) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (f) An allowance allocated by the U.S. EPA under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, the acid rain portion of an operating permit, or the written exemption under 40 CFR 72.7 and 72.8 and 326 IAC 21, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (g) An allowance allocated by U.S. EPA under the Acid Rain Program does not constitute a property right.
- (h) No permit revision may be required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program, provided that the increases do not require a permit revision under any other applicable requirement. [326 IAC 2-7-5(4)(A)]
- (i) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to noncompliance with any applicable requirement other than the requirements of the Acid Rain Program. [326 IAC 2-7-5(4)(B)]

(j) Sulfur dioxide allowances shall be allocated to each unit at the source as follows:

SO ₂ Annual Allowance Allocations (tons) *					
	2005	2006	2007	2008	2009
Unit 1	2,908	2,908	2,908	2,908	2,908
Unit 2	3,137	3,137	3,137	3,137	3,137
Unit 3	2,814	2,814	2,814	2,814	2,814
Unit 4	2,932	2,932	2,932	2,932	2,932

* The number of allowances allocated to Phase II affected units by U.S. EPA may change in a revision to 40 CFR 73 Tables 2, 3 and 4 and 326 IAC 21. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitates a revision to the unit SO₂ allowance allocations identified in this permit. (See 40 CFR 72.84)

5. Nitrogen Oxides Requirements [326 IAC 21]

- (a) The Permittee shall comply with the applicable acid rain emissions limitation of nitrogen oxides (NOx) for Units 1, 2, 3, and 4.
- (b) NOx Emission Averaging Plan for Unit 1:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NOx emission averaging plan for Unit 1, effective from calendar year 2007 through 2011. Under the plan the NOx emissions from Unit 1 shall not exceed the annual average alternative contemporaneous emissions limitation (ACEL) of 0.41 lb/MMBtu. In addition, Unit 1 shall not have an annual heat input less than 5,389,866 MMBtu. If Unit 1 is in compliance with its applicable emission limitation for each year of the plan, then Unit 1 shall not be subject to the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers until January 1, 2011.
 - (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 1 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
 - (3) Permittee must annually demonstrate that Unit 1 meets the NOx emission limit of 0.41 lb/MMBtu by showing that emissions at the common stack (through which all emissions from Units 1 and 2 are vented) meet such limit, based upon the data from certified continuous emission monitoring systems (CEMS) at common stack A. CEMS certification must be performed in accordance with the requirements and specifications delineated at 40 CFR 75.

(c) NOx Emission Averaging Plan for Unit 2:

- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NOx emission averaging plan for Unit 2, effective from calendar year 2007 through 2011. Under the plan the NOx emissions from Unit 2 shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.41 lb/MMBtu. In addition, Unit 2 shall not have an annual heat input less than 5,119,935 MMBtu. If Unit 2 is in compliance with its applicable emission limitation for each year of the plan, then Unit 2 shall not be subject to the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers until January 1, 2011.
- (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 2 shall be deemed to be in compliance for that year with its ACEL limitation and annual heat input limit.
- (3) Permittee must annually demonstrate that Unit 2 meets the NOx emission limit of 0.41 lb/MMBtu by showing that emissions at the common stack (through which all emissions from Units 1 and 2 are vented) meet such limit, based upon the data from certified continuous emission monitoring systems (CEMS) at common stack A. CEMS certification must be performed in accordance with the requirements and specifications delineated at 40 CFR 75.

(d) NOx Emission Averaging Plan for Unit 3:

- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NOx emission averaging plan for Unit 3, effective from calendar year 2007 through 2011. Under the plan the NOx emissions from Unit 3 shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.36 lb/MMBtu. In addition, Unit 3 shall not have an annual heat input less than 6,624,030 MMBtu. If Unit 3 is in compliance with its applicable emission limitation for each year of the plan, then Unit 3 shall not be subject to the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers until January 1, 2011.
- (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 3 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (3) Permittee must annually demonstrate that Unit 3 meets the NOx emission limit of 0.36 lb/MMBtu by showing that emissions at the common stack (through which all emissions from Units 3 and 4 are vented) meet such limit, based upon the data from certified continuous emission monitoring systems (CEMS) at common stack B. CEMS certification must be performed in accordance with the requirements and specifications delineated at 40 CFR 75.

- (e) NOx Emission Averaging Plan for Unit 4:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NOx emission averaging plan for Unit 4, effective from calendar year 2007 through 2011. Under the plan the NOx emissions from Unit 4 shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.36 lb/MMBtu. In addition, Unit 4 shall not have an annual heat input less than 6,170,982 MMBtu. If Unit 4 is in compliance with its applicable emission limitation for each year of the plan, then Unit 4 shall not be subject to the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers until January 1, 2011.
 - (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitations shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 4 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
 - (3) Permittee must annually demonstrate that Unit 4 meets the NOx emission limit of 0.36 lb/MMBtu by showing that emissions at the common stack (through which all emissions from Units 3 and 4 are vented) meet such limit, based upon the data from certified continuous emission monitoring systems (CEMS) at common stack B. CEMS certification must be performed in accordance with the requirements and specifications delineated at 40 CFR 75.
- (f) In accordance with 40 CFR 72.40(b)(2), approval of the averaging plan shall be final only when the Kentucky Department of Environmental Protection, Division of Air Quality, North Carolina Department of Environmental and Natural Resources, Division of Air Quality and South Carolina Department of Health and Environmental Control, Bureau of Air Quality have also approved this averaging plan.
- (g) In addition to the described NOx compliance plan, Units 1, 2, 3, and 4 shall comply with all other applicable requirements of 40 CFR 76, including the duty to reapply for a NOx compliance plan and requirements covering excess emissions.

6. Excess Emissions Requirements [40 CFR 77] [326 IAC 21]

- (a) If Unit 1, 2, 3, or 4 has excess emissions of sulfur dioxide in any calendar year, the designated representative shall submit a proposed offset plan to U.S. EPA and IDEM, OAQ as required under 40 CFR 77 and 326 IAC 21.
- (b) The designated representative shall submit required information to:

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

and

Ms. Cecilia Mijares
Air and Radiation Division
U.S. Environmental Protection Agency, Region V
77 West Jackson Boulevard
Chicago, IL 60604-3590

and

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code (6204N)
Washington, DC 20460

- (c) If Unit 1, 2, 3, or 4 has excess emissions, as defined in 40 CFR 72.2, in any calendar year the Permittee shall:
- (1) Pay to U.S. EPA without demand the penalty required, and pay to U.S. EPA upon demand the interest on that penalty, as required by 40 CFR 77 and 326 IAC 21; and,
 - (2) Comply with the terms of an approved sulfur dioxide offset plan, as required by 40 CFR 77 and 326 IAC 21.

7. Record Keeping and Reporting Requirements [326 IAC 21]

- (a) Unless otherwise provided, the Permittee shall keep on site each of the following documents for a period of 5 years, as required by 40 CFR 72.9(f), from the date the document is created. This period may be extended for cause, at any time prior to the end of the 5 years, in writing by U.S. EPA or IDEM, OAQ:
- (1) The certificate of representation for the designated representative of Units 1, 2, 3, and 4 and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (2) All emissions monitoring information collected in accordance with 40 CFR 75 shall be retained on site for 3 years;
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (4) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (b) The designated representative of Units 1, 2, 3, and 4 shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72.90, Subpart I, 40 CFR 75, and 326 IAC 21. The required information is to be submitted to the appropriate authority(ies) as specified in 40 CFR 72.90, Subpart I, and 40 CFR 75.

8. Submissions [326 IAC 21]

- (a) The designated representative of Units 1, 2, 3, and 4 shall submit a certificate of representation, and any superseding certificate of representation, to U.S. EPA and IDEM, OAQ in accordance with 40 CFR 72 and 326 IAC 21.
- (b) The designated representative shall submit required information to:

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

and

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code (6204N)
Washington, DC 20460

- (c) Each such submission under the Acid Rain Program shall be submitted, signed and certified by the designated representative for all sources on behalf of which the submission is made.
- (d) In each submission under the Acid Rain Program, the designated representative shall certify, by his or her signature, the following statements which shall be included verbatim in the submission:
 - (1) "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."; and,
 - (2) "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
- (e) The designated representative of Units 1, 2, 3, and 4 shall notify the Permittee:
 - (1) By the date of submission, of any Acid Rain Program submissions by the designated representative;
 - (2) Within 10 business days of receipt of any written determination by U.S. EPA or IDEM, OAQ; and,
 - (3) Provided that the submission or determination covers Unit 1, 2, 3, or 4.
- (f) The designated representative of Units 1, 2, 3, and 4 shall provide the Permittee a copy of any submission or determination under paragraph 8(e), unless the Permittee expressly waives the right to receive a copy.

9. Severability [326 IAC 21]

Invalidation of the acid rain portion of an operating permit does not affect the continuing validity of the rest of the operating permit, nor shall invalidation of any other portion of the operating permit affect the continuing validity of the acid rain portion of the permit. [40 CFR 72.72(b), 326 IAC 21, and 326 IAC 2-7-5(5)]

10. Liability [326 IAC 21]

- (a) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, an acid rain permit, an acid rain portion of an operation permit, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement by U.S. EPA pursuant to Section 113(c) of the Clean Air Act and shall be subject to enforcement by IDEM pursuant to 326 IAC 21 and IC 13-30-3.
- (b) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Clean Air Act, 18 U.S.C. 1001 and IDEM pursuant to 326 IAC 21 and IC 13-30-6-2.

- (c) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (d) Units 1, 2, 3, and 4 shall meet the requirements of the Acid Rain Program.
- (e) Any provision of the Acid Rain Program that applies to Unit 1, 2, 3, or 4, including a provision applicable to the designated representative of Unit 1, 2, 3, or 4 shall also apply to the Permittee.
- (f) Any provision of the Acid Rain Program that applies to Unit 1, 2, 3, or 4, including a provision applicable to the designated representative, shall also apply to the Permittee. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR 75, including 40 CFR 75.16, 75.17, and 75.18, the Permittee and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (g) Each violation of a provision of 40 CFR 72, 73, 75, 76, 77, and 78 by Unit 1, 2, 3, or 4, or by the Permittee or designated representative shall be a separate violation of the Clean Air Act.

11. Effect on Other Authorities [326 IAC 21]

No provision of the Acid Rain Program, an acid rain permit application, an acid rain permit, an acid rain portion of an operation permit, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (a) Except as expressly provided in Title IV of the Clean Air Act (42 USC 7651 to 7651(o)), exempting or excluding the Permittee and, to the extent applicable, the designated representative of Unit 1, 2, 3, or 4 from compliance with any other provision of the Clean Air Act, including the provisions of Title I of the Clean Air Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (b) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Clean Air Act;
- (c) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (d) Modifying the Federal Power Act (16 USC 791(a) et seq.) or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (e) Interfering with or impairing any program for competitive bidding for power supply in a state in which such a program is established.

Attachment A to a Part 70 Operating Permit

New Source Performance Standards (NSPS)

40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants

Source Name:	Duke Energy Indiana - Gallagher Generating Station
Source Location:	30 Jackson Street, New Albany, IN 47150
County:	Floyd
SIC Code:	4911
Operation Permit No.:	T 043-27078-00004
Permit Reviewer:	APT

Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants

Source: 74 FR 19309, Apr. 28, 2009, unless otherwise noted.

§ 60.670 Applicability and designation of affected facility.

(a)(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.

(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations (as defined in §60.671).

(b) An affected facility that is subject to the provisions of subparts F or I of this part or that follows in the plant process any facility subject to the provisions of subparts F or I of this part is not subject to the provisions of this subpart.

(c) Facilities at the following plants are not subject to the provisions of this subpart:

(1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 23 megagrams per hour (25 tons per hour) or less;

(2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 136 megagrams per hour (150 tons per hour) or less; and

(3) Common clay plants and pumice plants with capacities, as defined in §60.671, of 9 megagrams per hour (10 tons per hour) or less.

(d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of §§60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section.

(2) An owner or operator complying with paragraph (d)(1) of this section shall submit the information required in §60.676(a).

(3) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in paragraph (d)(1) of this section and must comply with the provisions of §§60.672, 60.674 and 60.675.

(e) An affected facility under paragraph (a) of this section that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of this part.

(f) Table 1 of this subpart specifies the provisions of subpart A of this part 60 that do not apply to owners and operators of affected facilities subject to this subpart or that apply with certain exceptions.

§ 60.671 Definitions.

All terms used in this subpart, but not specifically defined in this section, shall have the meaning given them in the Act and in subpart A of this part.

Bagging operation means the mechanical process by which bags are filled with nonmetallic minerals.

Belt conveyor means a conveying device that transports material from one location to another by means of an endless belt that is carried on a series of idlers and routed around a pulley at each end.

Bucket elevator means a conveying device of nonmetallic minerals consisting of a head and foot assembly which supports and drives an endless single or double strand chain or belt to which buckets are attached.

Building means any frame structure with a roof.

Capacity means the cumulative rated capacity of all initial crushers that are part of the plant.

Capture system means the equipment (including enclosures, hoods, ducts, fans, dampers, etc.) used to capture and transport particulate matter generated by one or more affected facilities to a control device.

Control device means the air pollution control equipment used to reduce particulate matter emissions released to the atmosphere from one or more affected facilities at a nonmetallic mineral processing plant.

Conveying system means a device for transporting materials from one piece of equipment or location to another location within a plant. Conveying systems include but are not limited to the following: Feeders, belt conveyors, bucket elevators and pneumatic systems.

Crush or Crushing means to reduce the size of nonmetallic mineral material by means of physical impaction of the crusher or grinding mill upon the material.

Crusher means a machine used to crush any nonmetallic minerals, and includes, but is not limited to, the following types: Jaw, gyratory, cone, roll, rod mill, hammermill, and impactor.

Enclosed truck or railcar loading station means that portion of a nonmetallic mineral processing plant where nonmetallic minerals are loaded by an enclosed conveying system into enclosed trucks or railcars.

Fixed plant means any nonmetallic mineral processing plant at which the processing equipment specified in §60.670(a) is attached by a cable, chain, turnbuckle, bolt or other means (except electrical connections) to any anchor, slab, or structure including bedrock.

Fugitive emission means particulate matter that is not collected by a capture system and is released to the atmosphere at the point of generation.

Grinding mill means a machine used for the wet or dry fine crushing of any nonmetallic mineral. Grinding mills include, but are not limited to, the following types: Hammer, roller, rod, pebble and ball, and fluid energy. The grinding mill includes the air conveying system, air separator, or air classifier, where such systems are used.

Initial crusher means any crusher into which nonmetallic minerals can be fed without prior crushing in the plant.

Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals:

(1) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell.

(2) Sand and Gravel.

(3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay.

(4) Rock Salt.

(5) Gypsum (natural or synthetic).

(6) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate.

(7) Pumice.

(8) Gilsonite.

(9) Talc and Pyrophyllite.

(10) Boron, including Borax, Kernite, and Colemanite.

(11) Barite.

(12) Fluorospar.

(13) Feldspar.

(14) Diatomite.

(15) Perlite.

(16) Vermiculite.

(17) Mica.

(18) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

Nonmetallic mineral processing plant means any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located, including lime plants, power plants, steel mills, asphalt concrete plants, portland cement plants, or any other facility processing nonmetallic minerals except as provided in §60.670 (b) and (c).

Portable plant means any nonmetallic mineral processing plant that is mounted on any chassis or skids and may be moved by the application of a lifting or pulling force. In addition, there shall be no cable, chain, turnbuckle, bolt or other means (except electrical connections) by which any piece of equipment is attached or clamped to any anchor,

slab, or structure, including bedrock that must be removed prior to the application of a lifting or pulling force for the purpose of transporting the unit.

Production line means all affected facilities (crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck and railcar loading stations) which are directly connected or are connected together by a conveying system.

Saturated material means, for purposes of this subpart, mineral material with sufficient surface moisture such that particulate matter emissions are not generated from processing of the material through screening operations, bucket elevators and belt conveyors. Material that is wetted solely by wet suppression systems is not considered to be "saturated" for purposes of this definition.

Screening operation means a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series, and retaining oversize material on the mesh surfaces (screens). Grizzly feeders associated with truck dumping and static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing plant are not considered to be screening operations.

Seasonal shut down means shut down of an affected facility for a period of at least 45 consecutive days due to weather or seasonal market conditions.

Size means the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyor belt; and the rated capacity in tons of a storage bin.

Stack emission means the particulate matter that is released to the atmosphere from a capture system.

Storage bin means a facility for storage (including surge bins) of nonmetallic minerals prior to further processing or loading.

Transfer point means a point in a conveying operation where the nonmetallic mineral is transferred to or from a belt conveyor except where the nonmetallic mineral is being transferred to a stockpile.

Truck dumping means the unloading of nonmetallic minerals from movable vehicles designed to transport nonmetallic minerals from one location to another. Movable vehicles include but are not limited to: Trucks, front end loaders, skip hoists, and railcars.

Vent means an opening through which there is mechanically induced air flow for the purpose of exhausting from a building air carrying particulate matter emissions from one or more affected facilities.

Wet material processing operation(s) means any of the following:

(1) Wet screening operations (as defined in this section) and subsequent screening operations, bucket elevators and belt conveyors in the production line that process saturated materials (as defined in this section) up to the first crusher, grinding mill or storage bin in the production line; or

(2) Screening operations, bucket elevators and belt conveyors in the production line downstream of wet mining operations (as defined in this section) that process saturated materials (as defined in this section) up to the first crusher, grinding mill or storage bin in the production line.

Wet mining operation means a mining or dredging operation designed and operated to extract any nonmetallic mineral regulated under this subpart from deposits existing at or below the water table, where the nonmetallic mineral is saturated with water.

Wet screening operation means a screening operation at a nonmetallic mineral processing plant which removes unwanted material or which separates marketable fines from the product by a washing process which is designed and operated at all times such that the product is saturated with water.

§ 60.672 Standard for particulate matter (PM).

(a) Affected facilities must meet the stack emission limits and compliance requirements in Table 2 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.8. The requirements in Table 2 of this subpart apply for affected facilities with capture systems used to capture and transport particulate matter to a control device.

(b) Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

(c) [Reserved]

(d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

(e) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a) and (b) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limits:

(1) Fugitive emissions from the building openings (except for vents as defined in §60.671) must not exceed 7 percent opacity; and

(2) Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart.

(f) Any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of this subpart but must meet the applicable stack opacity limit and compliance requirements in Table 2 of this subpart. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.

§ 60.673 Reconstruction.

(a) The cost of replacement of ore-contact surfaces on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under §60.15. Ore-contact surfaces are crushing surfaces; screen meshes, bars, and plates; conveyor belts; and elevator buckets.

(b) Under §60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in paragraph (a) of this section) which are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 31, 1983.

§ 60.674 Monitoring of operations.

(a) The owner or operator of any affected facility subject to the provisions of this subpart which uses a wet scrubber to control emissions shall install, calibrate, maintain and operate the following monitoring devices:

(1) A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals ± 1 inch water gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.

(2) A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.

(b) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(1) If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3 of this subpart provided that the affected facility meets the criteria in paragraphs (b)(1)(i) and (ii) of this section:

(i) The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to paragraph (b) of this section and §60.676(b), and

(ii) The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under §60.11 of this part and §60.675 of this subpart.

(2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

(c) Except as specified in paragraph (d) or (e) of this section, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

(d) As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of this section, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to paragraphs (d)(1) through (3) of this section.

(1) Each bag leak detection system must meet the specifications and requirements in paragraphs (d)(1)(i) through (viii) of this section.

(i) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per dry standard cubic meter (0.00044 grains per actual cubic foot) or less.

(ii) The bag leak detection system sensor must provide output of relative PM loadings. The owner or operator shall continuously record the output from the bag leak detection system using electronic or other means (e.g. , using a strip chart recorder or a data logger).

(iii) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to paragraph (d)(1)(iv) of this section, and the alarm must be located such that it can be heard by the appropriate plant personnel.

(iv) In the initial adjustment of the bag leak detection system, the owner or operator must establish, at a minimum, the baseline output by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.

(v) Following initial adjustment, the owner or operator shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided in paragraph (d)(1)(vi) of this section.

(vi) Once per quarter, the owner or operator may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by paragraph (d)(2) of this section.

(vii) The owner or operator must install the bag leak detection sensor downstream of the fabric filter.

(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(2) The owner or operator of the affected facility must develop and submit to the Administrator or delegated authority for approval of a site-specific monitoring plan for each bag leak detection system. The owner or operator must operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. Each monitoring plan must describe the items in paragraphs (d)(2)(i) through (vi) of this section.

(i) Installation of the bag leak detection system;

(ii) Initial and periodic adjustment of the bag leak detection system, including how the alarm set-point will be established;

(iii) Operation of the bag leak detection system, including quality assurance procedures;

(iv) How the bag leak detection system will be maintained, including a routine maintenance schedule and spare parts inventory list;

(v) How the bag leak detection system output will be recorded and stored; and

(vi) Corrective action procedures as specified in paragraph (d)(3) of this section. In approving the site-specific monitoring plan, the Administrator or delegated authority may allow owners and operators more than 3 hours to alleviate a specific condition that causes an alarm if the owner or operator identifies in the monitoring plan this specific condition as one that could lead to an alarm, adequately explains why it is not feasible to alleviate this condition within 3 hours of the time the alarm occurs, and demonstrates that the requested time will ensure alleviation of this condition as expeditiously as practicable.

(3) For each bag leak detection system, the owner or operator must initiate procedures to determine the cause of every alarm within 1 hour of the alarm. Except as provided in paragraph (d)(2)(vi) of this section, the owner or operator must alleviate the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:

(i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;

(ii) Sealing off defective bags or filter media;

(iii) Replacing defective bags or filter media or otherwise repairing the control device;

- (iv) Sealing off a defective fabric filter compartment;
 - (v) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or
 - (vi) Shutting down the process producing the PM emissions.
- (e) As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A–7) visible emissions inspections specified in paragraph (c) of this section, the owner or operator of any affected facility that is subject to the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) may follow the continuous compliance requirements in row 1 items (i) through (iii) of Table 6 to Subpart AAAAA of 40 CFR part 63.

§ 60.675 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendices A–1 through A–7 of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.

(b) The owner or operator shall determine compliance with the PM standards in §60.672(a) as follows:

(1) Except as specified in paragraphs (e)(3) and (4) of this section, Method 5 of Appendix A–3 of this part or Method 17 of Appendix A–6 of this part shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR part 60, Appendix A–3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.

(2) Method 9 of Appendix A–4 of this part and the procedures in §60.11 shall be used to determine opacity.

(c)(1) In determining compliance with the particulate matter standards in §60.672(b) or §60.672(e)(1), the owner or operator shall use Method 9 of Appendix A–4 of this part and the procedures in §60.11, with the following additions:

(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A–4 of this part, Section 2.1) must be followed.

(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

(2)(i) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under §60.672(f) of this subpart, using Method 9 (40 CFR part 60, Appendix A–4), the duration of the Method 9 (40 CFR part 60, Appendix A–4) observations shall be 1 hour (ten 6-minute averages).

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A–4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A–4)

observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [*i.e.*, velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (*e.g.*, from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$v_e = \frac{Q_f}{A_e} \quad (\text{Eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

(g) For performance tests involving only Method 9 (40 CFR part 60 Appendix A–4) testing, the owner or operator may reduce the 30-day advance notification of performance test in §60.7(a)(6) and 60.8(d) to a 7-day advance notification.

(h) [Reserved]

(i) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in §60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

§ 60.676 Reporting and recordkeeping.

(a) Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

(b)(1) Owners or operators of affected facilities (as defined in §§60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under §60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Administrator upon request.

(2) For each bag leak detection system installed and operated according to §60.674(d), the owner or operator must keep the records specified in paragraphs (b)(2)(i) through (iii) of this section.

(i) Records of the bag leak detection system output;

(ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and

(iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.

(3) The owner or operator of each affected facility demonstrating compliance according to §60.674(e) by following the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) must maintain records of visible emissions observations required by §63.7132(a)(3) and (b) of 40 CFR part 63, subpart AAAAA.

(c) During the initial performance test of a wet scrubber, and daily thereafter, the owner or operator shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate.

(d) After the initial performance test of a wet scrubber, the owner or operator shall submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss and liquid flow rate decrease by more than 30 percent from the average determined during the most recent performance test.

(e) The reports required under paragraph (d) of this section shall be postmarked within 30 days following end of the second and fourth calendar quarters.

(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with §60.672(b), (e) and (f).

(g) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in §60.672(b) and the emission test requirements of §60.11.

(h) The subpart A requirement under §60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.

(i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

(2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

(j) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

(k) Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to §60.4(b).

Table 1 to Subpart 000—Exceptions to Applicability of Subpart A to Subpart 000

Table 1 to Subpart 000—Exceptions to Applicability of Subpart A to Subpart 000

Subpart A reference	Applies to subpart 000	Explanation
60.4, Address	Yes	Except in §60.4(a) and (b) submittals need not be submitted to both the EPA Region and delegated State authority (§60.676(k)).
60.7, Notification and recordkeeping	Yes	Except in (a)(1) notification of the date construction or reconstruction commenced (§60.676(h)).
		Also, except in (a)(6) performance tests involving only Method 9 (40 CFR part 60, Appendix A–4) require a 7-day advance notification instead of 30 days (§60.675(g)).
60.8, Performance tests	Yes	Except in (d) performance tests involving only Method 9 (40 CFR part 60, Appendix A–4) require a 7-day advance notification instead of 30 days (§60.675(g)).
60.11, Compliance with standards and maintenance requirements	Yes	Except in (b) under certain conditions (§§60.675(c)), Method 9 (40 CFR part 60, Appendix A–4) observation is reduced from 3 hours to 30 minutes for fugitive emissions.
60.18, General control device	No	Flares will not be used to comply with the emission limits.

Table 2 to Subpart 000—Stack Emission Limits for Affected Facilities With Capture Systems

Table 2 to Subpart 000—Stack Emission Limits for Affected Facilities With Capture Systems

For * * *	The owner or operator must	And the owner or operator must	The owner or operator must demonstrate
------------------	-----------------------------------	---------------------------------------	---

	meet a PM limit of * * *	meet an opacity limit of * * *	compliance with these limits by conducting * * *
Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	0.05 g/dscm (0.022 gr/dscf) ^a	7 percent for dry control devices ^b	An initial performance test according to §60.8 of this part and §60.675 of this subpart; and Monitoring of wet scrubber parameters according to §60.674(a) and §60.676(c), (d), and (e).
Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	0.032 g/dscm (0.014 gr/dscf) ^a	Not applicable (except for individual enclosed storage bins) 7 percent for dry control devices on individual enclosed storage bins	An initial performance test according to §60.8 of this part and §60.675 of this subpart; and Monitoring of wet scrubber parameters according to §60.674(a) and §60.676(c), (d), and (e); and
			Monitoring of baghouses according to §60.674(c), (d), or (e) and §60.676(b).

^aExceptions to the PM limit apply for individual enclosed storage bins and other equipment. See §60.672(d) through (f).

^bThe stack opacity limit and associated opacity testing requirements do not apply for affected facilities using wet scrubbers.

Table 3 to Subpart 000—Fugitive Emission Limits

Table 3 to Subpart 000—Fugitive Emission Limits

For * * *	The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors,	The owner or operator must meet the following fugitive emissions limit for crushers at	The owner or operator must demonstrate compliance with these limits by conducting * * *

	bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) * * *	which a capture system is not used * * *	
Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	10 percent opacity	15 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart.
Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	7 percent opacity	12 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and
			A repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for a Part 70 (Title V) Operating Permit Renewal

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Location: Jackson Street, New Albany, Indiana 47150
County: Floyd
SIC Code: 4911
Permit Renewal No.: T043-27078-00004
Permit Reviewer: APT

On September 22, 2009, the Office of Air Quality (OAQ) had a notice published in the New Albany Tribune in New Albany, Indiana stating that Duke Energy Indiana, Inc. - Gallagher Generating Station, had applied for a Part 70 Operating Permit Renewal for a stationary electric utility generating station. The notice also stated that OAQ proposed to issue a permit renewal for this operation and provided information on how the public could review the proposed permit renewal and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit renewal should be issued as proposed.

Changes to the permit are noted as follows: ~~struck~~ language has been deleted; **bold** language has been added. If necessary, the Table of Contents has been modified to reflect these changes.

Necessary changes will be noted in this addendum only, as no changes will be made to the TSD.

Permit T043-27078-00004

Comments on the proposed Part 70 permit renewal were received on October 22, 2009 from Patrick Coughlin, representing Duke Energy Indiana, Inc. - Gallagher Generating Station. Comments will be addressed in the order that the permit will be affected.

Comment #1

Condition D.1.7 references the SO₂ emissions limit condition D.1.3 and should reference the particulate matter limit condition D.1.1. Same comment for Conditions D.2.7, D.3.7 and D.4.7.

Response to Comment #1

The following changes have been made to the Compliance Determination Requirements in Sections D.1, D.2, D.3, and D.4:

D.1.7 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.1.31, the baghouse for particulate control of Boiler No. 1 shall be in operation and control emissions from Boiler No. 1 at all times that the boiler is in operation.

D.2.7 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.2.31, the baghouse for particulate control of Boiler No. 2 shall be in operation and control emissions from Boiler No. 2 at all times that the boiler is in operation.

D.3.7 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.3.31, the baghouse for particulate control of Boiler No. 3 shall be in operation and control emissions from Boiler No. 3 at all times that the boiler is in operation.

D.4.7 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with the particulate matter emission limitations in Condition D.4.31, the baghouse for particulate control of Boiler No. 4 shall be in operation and control emissions from Boiler No. 4 at all times that the boiler is in operation.

Comment #2

Condition D.1.7 requires the baghouse to be controlling emissions at all times when the boiler is operating. Duke Energy requests that the last sentence of Condition D.1.7 be revised by adding the phrase "and combusting fuel". This language was included and agreed upon in the original permit and is consistent with the language in the TSD on page 42 of 47 [paragraph (a)(2)]. Duke Energy believes that the baghouse operation requirement is more clearly defined by stating that the baghouse will be controlling emissions "...at all times that the boiler is operating and combusting fuel." (Same comment for Conditions D.2.7, D.3.7 and D.4.7)

Response to Comment #2

IDEM has determined that the permit Conditions D.1.7, D.2.7, D.3.7, and D.4.7 are correct as written, and no changes will be made to the permit as a result of this comment. The requested change will not be made because the boilers can be operating and producing particulate during periods of boiler start-up, shut down, and interim periods of non-fuel combustion. The permit includes Temporary Alternative Opacity Limitations (TAOL) (Conditions D.1.2, D.2.2, D.2.3 and D.4.3) to account for these periods of non-fuel combustion during the operation of Boilers 1-4.

Comment #3

Condition D.1.8(c) should be revised to include the phrase "*or malfunction*" after the word activities in the first sentence. Duke Energy does not believe it is reasonable to expect a monitor to operate indefinitely without some period of malfunction. The requested permit change is consistent with the TSD language on page 17 of 47. [Same comment for Conditions D.2.8(c), D.3.8(c), and D.4.8(c)]

Response to Comment #3

IDEM agrees that, based on NSPS general provisions in 40 CFR 60.13(e), it is reasonable to account for infrequent downtime attributed to malfunction in these conditions. Therefore, the following change has been made to the permit Conditions D.1.8 D.2.8 D.3.8 and D.4.8:

D.X.8 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1]

* * *

- (c) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, or maintenance activities **or malfunctions**. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]

* * *

Comment #4

In Condition D.1.15(a)(4), remove the word “multiclone” as no such equipment exists at Gallagher. [Same comment for Conditions D.2.15(a)(4), D.3.15(a)(4) and D.4.15(a)(4)]

Response to Comment #4

The following change has been made to the Record Keeping and Reporting Requirements, Conditions D.1.15, D.2.15, D.3.15 and D.4.15:

D.X.15 Record Keeping Requirements

* * *

(4) All ~~multiclone~~ and baghouse parametric monitoring readings.

* * *

Comment #5

In Condition D.5.5(a) the last sentence should be revised by replacing the word “daily” with the word “weekly”. The change would make this condition consistent with condition D.5.4 which requires weekly visible emissions observations.

Response to Comment #5

IDEM had previously determined that weekly observations are sufficient compliance monitoring for a coal transfer system. In order to be consistent with the Compliance Monitoring requirements, the Recording Keeping requirements will be changed from daily to weekly as follows:

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

D.5.5 Record Keeping Requirements

- (a) To document compliance with Condition D.5.4, the Permittee shall maintain records of the visible emission notations of the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents and all response steps taken and the outcome for each. The Permittee shall include in its ~~daily~~ **weekly** record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that ~~day~~ **week**).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Comment #6

Condition D.6.7(b) the last sentence should be revised to read as follows:

“The Permittee shall include in its daily records the reason why the minimum of one hourly average pressure drop reading per day was not collected.”

While pressure drop readings are monitored on a continuous basis, the intent of the condition was to require a minimum of one reading per day. Duke Energy does not want to keep records of every period when a monitored value is not recorded. Consistent with the spirit of the condition, Duke Energy is requesting that the station keep records when the minimum of one hourly average pressure drop reading per day is not collected.

Response to Comment #6

In order to provide adequate records of compliance, the following language changes to Condition D.6.7 have been agreed upon between Duke Energy and the IDEM Compliance and Enforcement staff:

D.6.7 Record Keeping Requirements

- (a) To document compliance with D.6.65, the Permittee shall maintain records of all the daily visible emissions notations of the truck loading and unloading stations, pneumatic fly ash conveyance, separators exhaust and the ash silo bin vent baghouse exhaust, dry spout, and landfill area. The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that day).
- (b) To document compliance with condition D.6.76, the Permittee shall maintain a **daily** records of the hourly average pressure drop across the baghouse filter separators during normal operation ~~continuously~~. The Permittee shall include in its daily record when a **valid hourly average** pressure drop reading is not taken **for the day** and the reason for **not collecting a valid hourly average** ~~the lack of a~~ pressure drop reading **for the day** (e.g., the process did not operate that day). **If the for any reason a valid hourly average pressure drop is not collected for the day the Permittee shall keep a record of the manual pressure drop reading for the day.**

* * *

Comment #7

Condition D.7.4 requires a preventive maintenance plan for the ash pond and cold cleaner degreaser which are classified as insignificant actives. Duke Energy does not believe a preventive maintenance plan is needed for these types of insignificant emissions units and requests that condition D.7.4 be removed from the permit. The request is consistent with the language in the TSD on page 6 of 47.

Response to Comment #7

IDEM agrees that a preventive maintenance plan is not necessary for the emission units outlined in Section D.7. Therefore, Condition D.7.4 has been removed from the draft permit as shown below, and the remaining D.7 Conditions have been renumbered accordingly:

~~D.7.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the emission control devices associated with the facilities in this section.~~

Comment #8

On page 19 of 47 in the TSD (d)(10) within IDEM's description, the fifth sentence should be revised by replacing the word "*emissions*" with the word "*pressure drop*". The sensor measures pressure drop and not emissions.

Response to Comment #8

It is the practice of IDEM, OAQ to preserve the history of any document that has been on public notice in its original form. Necessary changes will be noted in this addendum only, and no changes will be made to the TSD. No changes have been made to the permit as a result of this comment.

Comment #9

On Page 19 of 47 in the TSD (d)(10), IDEM has previously agreed to take out condition 6.4(b) and the condition does not appear in the permit. Please revise the TSD to reflect this determination.

Response to Comment #9

It is the practice of IDEM, OAQ to preserve the history of any document that has been on public notice in its original form. Necessary changes will be noted in this addendum only, and no changes will be made to the TSD. No changes have been made to the permit as a result of this comment.

Permit T043-27078-00004

Comments on the proposed Part 70 permit renewal were received on October 22, 2009 from Holly Bressett and Sanjay Narayan, representing the Sierra Club. The comments below are taken from a twenty-eight (28) page letter with additional supportive information. To see the comments in their entirety, please go to the IDEM website located at <http://www.in.gov/idem/> and access the link to the Virtual File Cabinet. Once entered into the Virtual Files Cabinet, click on the "Document Search" tab; enter "OAQ" from the pull-down list in the "program" field; enter "permit" from the pull-down list in the "document type" field; enter "Floyd" from the pull-down list in the "County" field; enter "043-00004" from the pull-down list in the "Source ID" field; click on the word "view" highlighted in green text to the left of document number **52262638**.

Comment #10

The draft permit fails to adequately explain how the proposed monitoring of particulate matter is sufficient to assure compliance with a continuous particulate matter emissions limit.

Response to Comment #10

The boilers at the Duke Energy - Gallagher Station commenced construction prior to August 17, 1971. All four boilers are subject to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), with the PM emissions from each boiler limited to 0.36 pound per million Btu heat input (lb/MMBtu).

The permit includes the following requirements to assure continuous compliance with all applicable particulate limits:

- Biennial stack testing - (found in Conditions D.1.6, D.2.6, D.3.6 and D.4.6)
- Required use of the control device, a baghouse, at all times that the boilers are in operation - (found in Conditions D.1.7, D.2.7, D.3.7 and D.4.7)
- Continuous opacity monitoring systems (COMs), (found in Conditions D.1.8(a), D.2.8(a), D.3.8(a) and D.4.8(a))
- Opacity triggers – (found in Conditions D.1.12, D.2.12, D.3.12 and D.4.12) as an indirect indicator of particulate emissions
- Daily baghouse parametric monitoring - (found in Conditions D.1.11, D.2.11, D.3.11 and D.4.11)

The schedule of compliance testing, along with applicable parametric monitoring, both during and after the compliance test, and opacity monitoring are able to provide the information needed to evaluate continuous compliance with the particulate matter emission limit at this source. IDEM requires biennial particulate testing at the Duke Energy - Gallagher Station in order to ensure that the parametric monitoring range is consistent with the range indicated during the last valid stack test. The opacity triggers were established through reading the results of a compliant particulate emissions stack test with COMs data taken during the stack test. Further, all parametric monitoring requires that Duke Energy – Gallagher Station to respond to and correct any deviations from the prescribed monitoring ranges.

Comment #11

The draft permit fails to include Prevention of Significant Deterioration (PSD) requirements applicable to the Gallagher plant. An Indiana federal district court jury has found that Gallagher failed to comply with PSD requirements when it replaced the pulverizers on Units 1 and 3 in 1998 and 1999. The permit must contain a compliance schedule to bring the Gallagher plant into compliance with the PSD requirements.

Response to Comment #11

In response to this court ruling, the U. S. EPA and Cinergy have entered into a federal Consent Decree, which was finalized on March 18, 2010. Therefore, given that this Consent Decree resolves the allegations against Cinergy, it is not necessary to include a compliance schedule in the Part 70 permit. However, the source is mandated by the decree to incorporate the specific requirements of the order into the permit. In addition, the source is required to submit a schedule for compliance with the order to IDEM to be incorporated into the permit. Based on discussions with company representatives, submittal of the proposed compliance schedule is anticipated once this Renewal is issued and will be incorporated into the permit through a permit modification.

In the interim, the following conditions have been added to the permit to clarify the obligations of the source regarding compliance with the decree:

D.1.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in *USA v Cinergy*, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.2.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in *USA v Cinergy*, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.3.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in *USA v Cinergy*, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

D.4.5 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

On March 18, 2010, a Consent Decree was entered by the United States District Court for the Southern District of Indiana in *USA v Cinergy*, Case No. 1:99-cv-01693-LJM-JMS, (Document No. 1852) resolving those allegations concerning Gallagher Station. The source is required to comply with the consent decree and the compliance schedule contained therein.

The affected condition numbers in Sections D.1, D.2, D.3 and D.4 have been updated in accordance with this change and have not been duplicated herein unless denoted by another change.

Comment #12

- (a) The draft permit fails to ensure that the plant will comply with ambient air quality standards for PM_{2.5}. Among the "applicable requirements" for which a Title V permit must ensure compliance include 42 U.S.C. § 7475(a)(3), 326 IAC 2-2-4, 316 IAC 2-2-5, 326 IAC 2-2-16, 326 IAC 2-1.1-5, and the NAAQS. Each of these provisions prohibits emissions that would cause and/or contribute to a violation of ambient air quality standards. Here, there is nothing in the record to support a conclusion that the draft permit prevents violations of the PM_{2.5} NAAQS. IDEM must ensure that the Gallagher plant does not cause or contribute to a violation of the PM_{2.5} NAAQS. (Sierra Club letter pg. 6)

- (b) The draft permit does not include any PM_{2.5} limits specifically: it simply uses PM₁₀ as a surrogate for PM_{2.5} emissions. (Draft Permit at Public Notice) There is no justification for failing to analyze and set permit limits for PM_{2.5}, as explained in the permit comments filed herewith: There are no longer any technical reasons prohibiting such limits. EPA withdrew all guidance suggesting that PM₁₀ could be used as a surrogate. EPA has also stayed the effectiveness of 40 C.F.R. § 52.21(i)(1)(xi), which purported to allow the limited time use of PM₁₀ as a surrogate for PM_{2.5}. (Sierra Club letter pg. 12)
- (c) Moreover, there is no legal or factual basis to assume that a PM (or PM₁₀) limit is equivalent to a PM_{2.5} limit. The EPA's promulgation of PM_{2.5} NAAQS is premised upon the finding that PM₁₀ and PM_{2.5} are not equivalent and a PM_{2.5} standard—rather than merely a PM₁₀ standard—was necessary to protect health and welfare. That finding cannot be effectively undone, by substituting PM₁₀ through a guidance document, based upon administrative expediency. PM_{2.5} is comprised of a larger fraction of condensable particulates than is PM or PM₁₀, and controls for PM and PM₁₀ are not necessarily controls for PM_{2.5}.

Response to Comment #12

This source is a major source under PSD rules, a major source, under Nonattainment NSR rules and a major source under Section 112 of the Clean Air Act. Therefore, any modifications to the source will be subject to limitations, work practices, and compliance measures under each of these rules.

The federal Clean Air Act requires the U.S. EPA to set National Ambient Air Quality Standards (NAAQS) for six criteria pollutants— carbon monoxide, lead, sulfur dioxide, particulate matter, nitrogen oxides and ground level ozone. The U.S. EPA regulates these pollutants and sets standards for permissible levels low enough to protect the health of sensitive persons, such as persons with respiratory or heart disease, children and the elderly. More information is available on U.S. EPA's website at <http://www.epa.gov/air/urbanair/6poll.html> on the internet.

The Duke Energy - Gallagher Station is located in Floyd County, which received a basic nonattainment designation effective federally on April 5, 2005, for PM_{2.5}. A nonattainment designation means that the U.S. EPA believes that Indiana's air rules need to be made more stringent in order to bring air pollution levels into compliance with health-based air quality standards. The designation does not affect this permit. As is stated in the TSD attached to the draft permit, the coal-fired boilers (B1-B4) were constructed prior to the applicability dates of the PSD requirements of 326 IAC 2-2. Further, any alleged PSD modifications to the coal-fired boilers were made prior to the applicability of the PM_{2.5} NAAQS. IDEM, OAQ has no authority under the rules at this time to force this source to reduce particulate emissions from these units.

If further air quality planning efforts determine that it is necessary to require additional air pollution controls on industry in Floyd County, those requirements will be established by a rule adopted by the Indiana Air Pollution Control Board.

IDEM, OAQ is in the process of preparing a redesignation petition and maintenance plan for Indiana's portion of the Louisville KY-IN Fine Particle Nonattainment Area (Jefferson County (Madison Township) and Clark and Floyd counties). Based on the most recent three years of quality assured ambient air quality monitoring data (2007, 2008 and 2009 through the third quarter), the entire nonattainment area is demonstrating attainment with the annual National Ambient Air Quality Standard (NAAQS) for fine particles (15 µg/m³). IDEM, OAQ has plans of sending the final redesignation petition and maintenance plan to U.S. EPA in May or June of next year. The maintenance plan provides for the continued attainment of the air quality standard by an area for a period of ten years after the United States Environmental Protection Agency (U.S. EPA) has formally redesignated the area to attainment. The plan also provides assurances that even if there is a subsequent exceedance of the air quality standard, measures in the maintenance plan will prevent any future occurrences through contingency measures that would be triggered.

As is stated in the TSD attached to the draft permit, pursuant to Significant Permit Modification No. 043-22712-00004, issued on April 9, 2007, the Duke Energy - Gallagher Station must comply with the following PM/PM₁₀ limits:

The Permittee shall comply with the following emission limits for the fly ash handling operation:

- (1) PM/PM₁₀ emissions from each separator shall not exceed 0.91 pounds per hour.
- (2) The Permittee shall operate only two (2) separators at one time.
- (3) PM/PM₁₀ emissions from the silo bin vent filter shall not exceed 0.41 pounds per hour.

Compliance with these limits in conjunction with the potential fugitive emissions from truck loading and unloading, the activated carbon silos, vehicular traffic, wind erosion of fly ash from the landfill, and dust from equipment traffic at the landfill will ensure that the PM emissions are less than twenty-five (25) tons/yr and PM₁₀ (at the time, a surrogate for PM_{2.5}) emissions are less than fifteen (15) tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable. At the time that this Significant Permit Modification was issued, EPA had established that PM₁₀ would temporarily serve as the surrogate for PM_{2.5} emissions and a limit of less than fifteen (15) tons/yr was required. Since then, the EPA has established that PM_{2.5} emissions be determined independently of PM₁₀, and has set a PM_{2.5} emissions limit of ten (10) tons per year in order to render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to a modification. Because this decision by the EPA was made after the issuance of the Significant Permit Modification No. 043-22712-00004 which established these limits, no changes have been made to the emissions limits.

This renewal does not allow this source to increase particulate emissions from any emission unit specifically regulated by this permit.

Comment #13:

IDEM should evaluate the renewal according to the standards of Ind. Code § 13-30-1-6. The commenter argues that rules of statutory construction compel IDEM to evaluate the renewal according to the standards of Ind. Code § 13-3-1-6 because, to do otherwise, would render Ind. Code § 13-30-1-6 mere surplusage. The commenter asserts that operation of the Gallagher plant, and therefore issuance of this operating permit as proposed, will violate the standards of Ind. Code § 13-30-1-6 as follows:

1. PM_{2.5} is harmful to the environment and public health, and prudent and feasible alternatives to the Gallagher plant, as proposed, exist that would reduce PM_{2.5} emissions.
2. Carbon dioxide is harmful to Indiana's environment and public health, and reasonable and prudent alternatives to the Gallagher plant's carbon dioxide emissions exist.

Response to Comment #13:

The Commenter proposes a novel and unsupported reading of Ind. Code § 13-30-6.¹ IDEM disagrees with the Commenter's proposition that Ind. Code § 13-30-1-6 requires IDEM to consider the review requirements of Ind. Code § 13-30-1-6 in the permit renewal process. The Commenter cites no case law interpreting Ind. Code § 13-30-1-6 in this manner. To the contrary, the case law addressing Ind. Code § 13-30-1 *et seq.*, makes clear that the correct reading of this section of the Indiana Code requires reading the chapter as a whole. *Centre Properties v. DNR, In re Hoosier Environmental Council*, 10 CADDNAR 49, March 24, 2005, *appeal dismissed* Cause No. 49F12-

¹ The Commenter's substantive concerns regarding PM_{2.5} and CO₂, are addressed in previous Comments and Responses.

0505-MI-016786 (Marion Super. Ct., Oct. 27, 2005).² As the relevant case law explains, the Commenter incorrectly urges the application of Ind. Code § 13-30-1-6's review standard to the proposed permit renewal. Therefore, IDEM will not apply this standard of review to the proposed permit renewal and instead will apply the minimum required federal and state standards for review.

IDEM finds that, while *Centre Properties* does not address § 13-30-1-6 directly, its holding is equally applicable to the appropriate use of this section of the Indiana Code. In *Centre Properties*, the Indiana Natural Resources Commission ("NRC") evaluated the correct application of another provision of Ind. Code § 13-30-1 and determined that the intervention right provided under Ind. Code § 13-30-1-5 applies only to administrative, licensing, or other proceedings initiated by an administrative agency in response to an Ind. Code § 13-30-1-2 notice of intent to bring a citizen suit under Ind. Code § 13-30-1-1.

Specifically, in *Centre Properties*, the NRC rejected the argument that Ind. Code § 13-30-1-5 allowed the Hoosier Environmental Council ("HEC") to intervene in a proceeding regarding the issuance of a certificate of approval for construction in a floodway. The NRC dismissed as "improper" HEC's argument that § 13-30-1-5 should be read as "a stand-alone provision" that would authorize "nearly any individual or entity the unfettered ability to intervene in nearly any administrative proceeding involving the mere possibility of significant environmental destruction, impairment, or pollution." *Centre Properties* at 52. Rather, the NRC held that "[a] thorough reading of IC 13-30-1 reveals no ambiguity in its content or meaning" and, as a whole, the chapter describes a "complete mechanism for specified individuals and entities to aid in the protection of Indiana's environment in the name of the State." *Id.* Given this, IDEM finds that the Commenter, like HEC in *Centre Properties*, cannot apply a single portion of Ind. Code § 13-30-1 *et seq.* in isolation from the rest of the chapter in which it is found.

This means that Ind. Code § 13-30-1-6 must be placed in the context of Ind. Code § 13-30-1 *et seq.* for its proper application. Following the holding of *Centre Properties*, IDEM concludes that the standards established in Ind. Code § 13-30-1-6 apply only "[i]n the administrative, licensing, or other procedure"³ initiated under Ind. Code § 13-30-1-1 or by the State in response to notice provided under Ind. Code § 13-30-1-2 (and referenced in Ind. Code § 13-30-1-5). Limiting the application of Ind. Code § 13-30-1-6 in this way also avoids the Commenter's perceived problem of rendering Ind. Code § 13-30-1-6 mere surplusage by providing a discrete set of circumstances in which its provisions are applicable.

Permit T043-27078-00004

Additional Changes

Within the course of responding to the comments submitted during the public comment period for this Title V renewal, the source received approval to make specific changes at the facility. On April 6, 2010, IDEM, OAQ reviewed a modification application, submitted by Duke Energy Indiana - Gallagher Generating Station, relating to the installation of a dry sorbent injection (DSI) system on Boiler Units 2 and 4. Since the end of the public comment period for this Title V renewal on October 22, 2009, the source has constructed or has been operating under the following approvals as well:

- (1) Administrative Amendment to Acid Rain Permit, 043-29353-00004, issued June 18, 2010;

² The Contested Administrative Decisions of the Department of Natural Resources are electronically *available at*: <http://www.in.gov/nrc/2369.htm>.

³ IDEM notes that its finding the Ind. Code § 13-30-1-6 standard of review to be bound up within the confines of Ind. Code § 13-30-1 *et seq.* also is supported by the language of Ind. Code § 13-30-1-6, which expressly limits its applicability to "the administrative, licensing, or other procedure." (Emphasis added.) Such language can only be taken as a reference to the "administrative, licensing or other proceeding" in which intervention under Ind. Code § 13-30-1-5 has been obtained. And, such intervention, as explained in *Centre Properties*, results only from following the mechanism set forth in Ind. Code §§ 13-30-1-1 and -2.

- (2) Significant Source Modification, T043-29143-00004, issued on June 18, 2010; and
- (3) Significant Permit Modification, T043-29145-00004, issued on July 7, 2010.

The changes listed below have been made to Part 70 Operating Permit No. T043-27078-00004 to incorporate the modification approvals from 2010. Additional details about the changes can be found in the permitting documents associated with the Significant Source Modification, T043-29143-00004, Significant Permit Modification, T043-29145-00004 and Administrative Amendment, 043-29353-00004. The Table of Contents has been updated accordingly and is not duplicated herein. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

OAQ Change No. 1: The emission descriptions have been updated in several areas of the permit as follows:

Section A

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

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

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with a baghouse for control of particulate matter, and exhausting to Stack A.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in ~~1993~~. **1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.**
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with a baghouse for control of particulate matter, and exhausting to Stack A.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in ~~1993~~. **1992. The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.**
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with a baghouse for control of particulate matter, and exhausting to Stack B.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in ~~1993~~. **1994. The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.**
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with a baghouse for control of particulate matter, and exhausting to~~

~~Stack B.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in ~~1993~~. **1994. The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.**

All coal burned in Boilers No. 1-4, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

* * *

- (g) **Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved in 2010 for construction, each equipped with a baghouse to control particulate matter emissions during loading. Once the dry sorbent injection system is constructed and operational sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.**

Section D

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with a baghouse for control of particulate matter, and exhausting to Stack A.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in ~~1993~~. **1994. The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.**

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in ~~1992~~ **1993**. **The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.**

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in ~~1994~~ **1993**. **The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.**

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in ~~1994~~ **1993**. **The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.**

All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

OAQ Change No. 2: A new section - Section D.8, has been added to this permit because of the addition of the sorbent storage silos to the source.

SECTION D.8 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (g) Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved in 2010 for construction, each equipped with a baghouse to control particulate matter emissions during loading. Once the dry sorbent injection system is constructed and operational sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.

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

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

D.8.1 PSD Minor Limit and Nonattainment NSR [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to Significant Source Modification No. 043-29143-00004, the Permittee shall comply with the following:

- (a) PM emissions from the sorbent storage silos shall not exceed 3.4 pounds per hour.
- (b) PM_{2.5} emissions from the sorbent storage silos shall not exceed 1.8 pounds per hour.

Compliance with these limits in conjunction with the potential fugitive emissions from vehicular traffic, will ensure that the PM emissions from the sorbent storage silos system are less than 25 tons/yr and PM_{2.5} emissions are less than 10 tons/yr, and render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the 2010 modification.

D.8.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate matter (PM) from the dry sorbent silo shall not exceed 29.4 pounds per hour when operating at a process weight rate of 24 tons per hour. The pound per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67}$$

Where:

E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

D.8.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan (PMP), in accordance with Section B - Preventive Maintenance Plan of this permit, is required for these sorbent silos and their control devices.

Compliance Determination Requirements

D.8.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouse, in order to determine compliance with Condition D.8.1, the Permittee shall perform PM testing on one (1) of the two (2) sorbent silo baghouse utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.
- (b) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouse, the Permittee shall perform PM₁₀ testing on one (1) of the two (2) sorbent silo baghouse utilizing methods as approved by the Commissioner. This testing shall be performed once to demonstrate compliance with the PM₁₀ limit. Testing shall be conducted in accordance with Section C- Performance Testing.
- (c) In order to determine compliance with Condition D.8.1, the Permittee shall perform PM_{2.5} testing of one (1) of the two (2) sorbent silo baghouse within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after initial startup, whichever is later. This testing shall be conducted utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.8.5 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or in this permit, the baghouse for particulate control shall be in operation and control emissions at all times that trucks are unloading into the dry sorbent injection silo.

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

D.8.6 Visible Emissions Notations

- (a) Visible emission notations of a sorbent silo baghouse stack exhaust shall be performed once per week during normal daylight operations when loading. 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.8.7 Parametric Monitoring

The Permittee shall record the pressure drop across each baghouse used in conjunction with the sorbent silo, at least once per day when a sorbent silo is being loaded by truck and

exhausting to the atmosphere. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions and 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 and Exceedances shall be considered deviation from the 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 as specified by the manufacturer.

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

D.8.8 Record Keeping Requirements

- (a) To document compliance with Condition D.8.6 - Visible Emission Notation, the Permittee shall maintain weekly records of the visible emission notations of the sorbent silo exhaust stacks when loading. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.8.7 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse controlling the sorbent silo. 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).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

OAQ Change No. 3: Applicable NSPS requirements have been added to Section E.1 of the permit. A separate attachment has been created for the NSPS requirements in this section.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (g) Two (2) sorbent storage silos, identified as SS-01 and SS-02, approved in 2010 for construction, each equipped with a baghouse to control particulate matter emissions during loading. Once the dry sorbent injection system is constructed and operational sorbent shall be delivered by enclosed tanker trucks. The sorbent is pneumatically transferred from the truck to the silo through a totally enclosed system. The maximum throughput capacity is 24 tons per hour based on unloading one tanker truck per hour. The sorbent will be pulled from the silo through an enclosed system and injected into the boiler upstream of the baghouse. The injection system equipped with mills to reduce the size of sorbent material prior to injection into the flue gas. The totally enclosed mills are to be operated on an as needed basis.

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

New Source Performance Standards [326 IAC 12-1] [40 CFR 60]

E.1.1 General Provision Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part

60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the sorbent storage silo, except as otherwise specified in 40 CFR Part 60, Subpart 000.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

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

E.1.2 Standard of Performance for Nonmetallic Mineral Processing Plants Requirements [326 IAC 12-1] [40 CFR 60, Subpart 000]

Pursuant to 40 CFR 60 Subpart 000, the Permittee shall comply with the applicable provisions of Standard of Performance for Nonmetallic Mineral Processing Plants which are incorporated by reference as 326 IAC 12 as specified as follows:

- (1) 40 CFR 60.670**
- (2) 40 CFR 60.671**
- (3) 40 CFR 60.672**
- (4) 40 CFR 60.673**
- (5) 40 CFR 60.674**
- (6) 40 CFR 60.675**
- (7) 40 CFR 60.676**
- (8) Table 1 to Subpart 000**
- (9) Table 2 to Subpart 000**
- (10) Table 3 to Subpart 000**

OAQ Change No. 4: Section E.1 was the Title V Acid Rain Programs Conditions. Due to the source modification, the New Source Performance Standards for Nonmetallic Mineral Processing Plants, Subpart 000 was added to Section E.1. Therefore, the Title V Acid Rain Programs Conditions have been moved to Section E.2. Furthermore, the emission description for the two (2) dry bottom, pulverized coal-fired boilers, identified as Boiler No. 2 and No.4 have been updated in Section E.2, to include the dry sorbent injection system for the control of SO₂ emissions.

SECTION E.42 TITLE IV ACID RAIN PROGRAM CONDITIONS

Title IV Source Description:

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in ~~1994~~ **1993**. **The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.**~~The existing ESP on Boiler No. 1 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in ~~1992~~ **1993**. **The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.**~~The existing ESP on Boiler No. 2 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in ~~1994~~ **1993**. **The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.**~~The existing ESP on Boiler No. 3 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by dry sorbent injection system scheduled to be in service by January 1, 2011. Sorbent will be injected upstream of the baghouse.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in ~~1994~~ **1993**. **The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.**~~The existing ESP on Boiler No. 4 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

(The information contained in this box is descriptive information and does not constitute enforceable conditions.)

Acid Rain Program

E.42.1 Acid Rain Permit [326 IAC 2-7-5(1)(C)] [326 IAC 21] [40 CFR 72 through 40 CFR 78]

E.42.2 Title IV Emissions Allowances [326 IAC 2-7-5(4)] [326 IAC 21]

OAQ Change No. 5: The emission description for the two (2) dry bottom, pulverized coal-fired boilers, identified as Boiler No. 2 and No.4 have been updated in Section G to include the dry sorbent injection system for the control of SO₂ emissions. The conditions in the section have been updated.

SECTION G Clean Air Interstate (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a)

ORIS Code: 1008

CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a) and 326 IAC 24-3-1(a)

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A.~~ **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in ~~1994~~ 1993. **The ESP on Boiler No.1 was replaced with a new baghouse in December 2007.**~~The existing ESP on Boiler No. 1 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack A.** Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in ~~1992~~ 1993. **The ESP on Boiler No.2 was replaced with a new baghouse in December 2007.**~~The existing ESP on Boiler No. 2 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. **Particulate matter emissions are controlled by a baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in ~~1994~~ 1993. **The ESP on Boiler No.3 was replaced with a new baghouse in May 2008.**~~The existing ESP on Boiler No. 3 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), ~~with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B.~~ **Particulate matter emissions are controlled by a baghouse. On or after January 1, 2011, SO₂ emissions will be controlled by a dry sorbent injection system, approved in 2010 for construction, where sorbent is injected upstream of the baghouse. Emissions are exhausted through Stack B.** Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in ~~1994~~ 1993. **The ESP on Boiler No.4 was replaced with a new baghouse in April 2008.**~~The existing ESP on Boiler No. 4 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

All coal burned in Boilers No. 1-4, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

Additional Changes

IDEM has modified the language for several standard Title V permitting B and C Conditions, and some of these standard language changes have affected other sections of the permit, OAQ Changes No. 6 through 38 are the result of these language updates. The Table of Contents has been updated accordingly and is not shown in detail in this document.

OAQ Change No. 6: IDEM has removed all references to the source mailing address as shown below. IDEM will continue to maintain records of the mailing address. Section A.1 of the permit has also been updated to clarify the current source status. According to Change No. 22, the IDEM, OAQ Branch and Section names have been updated and the last sentence dealing with the need for certification from the reporting forms has been removed because the Conditions requiring the forms already address this issue.

Section A Changes

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(21)]

The Permittee owns and operates a stationary electric utility generating station.

Source Address: Jackson Street, New Albany, Indiana 47150
Mailing Address: ~~c/o Patrick Coughlin, 1000 East Main Street, Plainfield, Indiana 46168~~
General Source Telephone Phone Number: (317) 838-2108
SIC Code: 4911
County Location: Floyd
Source Location Status: Nonattainment for PM_{2.5} **Standard**
Attainment or unclassifiable for all other criteria pollutants
Source Status: Part 70 **Operating** Permit Program
Major Source, under PSD Rules;
Major Source, under Nonattainment NSR Rules;
Major Source, Section 112 of the Clean Air Act
1 of 28 Source Categories

Certification and Reporting Forms

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

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: Jackson Street, New Albany, Indiana 47150
Mailing Address: ~~c/o Patrick Coughlin, 1000 East Main Street, Plainfield, Indiana 46168~~
Part 70 Permit No.: T043-27078-00004

* * *

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT EMERGENCY OCCURRENCE REPORT

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: Jackson Street, New Albany, Indiana 47150
~~Mailing Address: c/o Patrick Coughlin, 1000 East Main Street, Plainfield, Indiana 46168~~
Part 70 Permit No.: T043-27078-00004

* * *

~~Attach a signed certification to complete this report.~~

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

PART 70 OPERATING PERMIT QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: Jackson Street, New Albany, Indiana 47150
~~Mailing Address: c/o Patrick Coughlin, 1000 East Main Street, Plainfield, Indiana 46168~~
Part 70 Permit No.: T043-27078-00004

* * *

~~Attach a signed certification to complete this report.~~

Section B Changes

- OAQ Change No. 7:** 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official."
- OAQ Change No. 8:** IDEM has added a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans developed. IDEM has decided to clarify other aspects of Section B - Preventive Maintenance Plan
- OAQ Change No. 9:** The phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timelines have been switched to "no later than" or "not later than" except for the timelines for Title V Fee, Emergency Provisions, Continuous Compliance Plan, and Revocation of Permits because the underlying rules state "within."
- OAQ Change No. 10:** To clarify that Section B - Certification only states what a certification must be, IDEM has revised the condition.
- OAQ Change No. 11:** IDEM has added a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans developed. IDEM has also clarified other aspects of Section B - Preventive Maintenance Plan.

OAQ Change No. 12: IDEM, OAQ has revised Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-7-5(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

OAQ Change No. 13: IDEM has added the Southeast Regional Office and the Southwest Regional Office to Section B - Emergency Provisions.

OAQ Change No. 14: Having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviation from Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report. Because this source is Major for PSD, Subparagraph (g)(4) has been revised to match the underlying rule language.

OAQ Change No. 15: IDEM, OAQ will state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.

OAQ Change No. 16: IDEM, OAQ will state that no notice is required for approved changes in Section B - Permit Revision Under Economic Incentives and Other Programs.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

* * *

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

(a) ~~A Any application form, report, or compliance certification required by submitted under this permit or meets the requirements of 326 IAC 2-7-6(1) if: shall contain~~

(1) it contains a certification by a "responsible official" of truth, accuracy, and completeness. as defined by 326 IAC 2-7-1(34), and

(2) This the certification shall states 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 Permittee may use** the attached Certification Form or its equivalent with each submittal requiring certification. One (1) certification ~~can~~ **may** cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

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

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

* * *

- (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; ~~and~~
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3)-; **and**
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) ~~If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:~~ **A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:**
- (1) Identification of the individual(s), ~~by title,~~ responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) **If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:**
- (1) **Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;**

- (2) **A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and**
- (3) **Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.**

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

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

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

The Permittee shall implement the PMPs.

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, ~~except as otherwise provided in 326 IAC 2-7-16.~~

* * *

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, **or Southeast Regional Office and Southwest Regional Office** within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for **Office of Air Quality**, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

**Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304**

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

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

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

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

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

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

* * *

~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to Paragraph (b)(5) of this condition and certified by the Responsible Official need only be referenced by the date of the original report.~~

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

- (a) All terms and conditions of previous permits **established prior to T043-27078-00004** and issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this **Part 70 operating** permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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

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

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

~~_____ 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 the "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

B.165 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)]
[326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 **Operating** permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require ~~the a~~ **certification that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

* * *

B.176 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

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

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

B.187 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 **operating** permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application **does require a certification that meets** ~~shall be certified by the requirements of 326 IAC 2-7-6(1) by a~~ "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.198 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]

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

B.2019 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

* * *

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

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
 - (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c). The notification requirement per (a)(4) of this condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the **notification** requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.

B.232 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

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

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

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

* * *

B.24 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

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

Section C Changes

- OAQ Change No. 17:** 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official."
- OAQ Change No. 18:** IDEM has added a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans developed. IDEM has clarified other aspects of Section B - Preventive Maintenance Plan
- OAQ Change No. 19:** The phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timelines have been switched to "no later than" or "not later than" except for the timelines for Title V Fee, Emergency Provisions, Continuous Compliance Plan, and Revocation of Permits because the underlying rules state "within."
- OAQ Change No. 20:** IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.
- OAQ Change No. 21:** IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.
- OAQ Change No. 22:** IDEM has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
- OAQ Change No. 23:** IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been changed to clearly indicate that it is the Permittee that must follow the requirements of the condition.
- OAQ Change No. 24:** IDEM has moves the requirements of C.11, Maintenance of Continuous Opacity Monitoring Equipment to Section D.1.9, D.1.16, D.2.9, D.2.16, D.3.9, D.3.16, D.4.8, and D.4.15 since these Section D Conditions already cover the Permittee's requirement for *COM/CEMs*.
- OAQ Change No. 25:** IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing state what methods shall be used.
- OAQ Change No. 26:** IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.
- OAQ Change No. 27:** IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess

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

OAQ Change No. 28: Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.

OAQ Change No. 29: The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

OAQ Change No. 30: IDEM has simplified the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of 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.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 **or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in and 326 IAC 9-1-2 or in this permit.**

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period. ~~The test report requires certification by the "responsible official".~~

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

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

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

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

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

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

C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- ~~(a) The Permittee shall calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.~~
- ~~(b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.~~

~~(c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.~~

~~(d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.~~

~~(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.~~

~~(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.~~

~~(3) Method 9 readings may be discontinued once a COMS is online.~~

~~(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.~~

~~(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.~~

~~C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

~~Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, 40 CFR 75 or other approved methods as specified in this permit.~~

~~C.153 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]~~

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

~~C.164 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]~~

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

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

~~(b) The response shall include minimizing the period of any startup, shutdown or malfunction, **and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions).** Corrective actions **The response** may include, but **are is** not limited to, the following:~~

~~(1) initial inspection and evaluation;~~

~~(2) recording that operations returned **or are returning** to normal without operator action (such as through response by a computerized distribution control system); or~~

~~(3) any necessary follow-up actions to return operation to **normal or usual manner of**~~

operation. ~~within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.~~

- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; **and/or**
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall **record the reasonable response steps taken.** ~~maintain the following records:~~
 - (1) ~~monitoring data;~~
 - (2) ~~monitor performance data, if applicable; and~~
 - (3) ~~corrective actions taken.~~

C.175 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall ~~take appropriate response actions. The Permittee shall submit a description of these its~~ response actions to IDEM, OAQ, **no later than seventy-five (75) days of receipt after the date** 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 **no later than** ~~within~~ one hundred **eighty (180)** ~~twenty (120) days of receipt of~~ **after the date of the original test results.** Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (120)~~ **eighty (180)** days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

C.186 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purposes of ~~Part 70~~ fee assessment.

The statement must be submitted to:

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

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

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

C.197 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]
[326 IAC 2-3]

* * *

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

* * *

C.2018 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]
[326 IAC 2-3]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported **except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.** This report shall be submitted **not later than** ~~within~~ thirty (30) days **after** of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34). **A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.**
- (b) The **address for report submittal is** ~~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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- ~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- (ed) 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.
- (fe) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (gf) The report for project at an existing emissions unit shall be submitted ~~within~~ **not later than** sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee ~~deems fit~~ **wishes** to include in this report **such as an explanation as to why the emissions differ from the preconstruction projection.**

Reports required in this part shall be submitted to:

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

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

C.219 Compliance with 40 CFR 82 and 326 IAC 22-1

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

- ~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

- ~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~
- ~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~
- ~~(d) Pursuant to 40 CFR 82, Subpart E (The Labeling of Products Using Ozone-Depleting Substances), all containers in which a Class I or Class II substance is stored or transported and all products containing a Class I substance shall be labeled as required under 40 CFR Part 82.~~

Section D Changes

- OAQ Change No. 31:** For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", "in accordance with Section C", or other similar language, to "Section C ... contains the Permittee's obligations with regard to the records required by this condition."
- OAQ Change No. 32:** As shown in Change No. 31 (Section C), IDEM has moved the requirements of C.11, Maintenance of Continuous Opacity Monitoring Equipment to Section D.1.9, D.1.16, D.2.9, D.2.16, D.3.9, D.3.16, D.4.8, and D.4.15 since these Section D Conditions already cover the Permittee's requirement for COM/CEMs. These additions to the D Sections of the permit are shown in this section of updates.
- OAQ Change No. 33:** IDEM has clarified Section D - Preventive Maintenance Plan Conditions.
- OAQ Change No. 34:** IDEM has clarified Section D - Testing Requirements.
- OAQ Change No. 35:** The word "status" has been added to Section D - Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.
- OAQ Change No. 36:** As a result of adding PSD "place-holder" language in Change No. 7, the condition reference numbers have been changed in Record Keeping Requirements in Sections D.1, D.2, D.3, and D.4.
- OAQ Change No. 37:** In accordance with all of the aforementioned changes, the Compliance Monitoring Requirements of the permit have been updated. In addition, IDEM has included the option of using manufacturer's recommendations for the calibration frequency of monitoring equipment.

D.1.56 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its emission control devices.~~

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

D.1.67 Testing Requirements [326 IAC 2-7-6(1)(6)] [326 IAC 2-1.1-11]

~~Compliance with the PM limitation in Condition D.1.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. This testing shall be repeated by not later than December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Testing shall be conducted in accordance with Section C - Performance Testing~~ **contains the Permittee's obligation with regard**

to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

- D.1.89 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] **[326 IAC 2-7-5(3)(A)(iii)]**
-
- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), **the Permittee shall install calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment** ~~continuous opacity monitoring systems shall be installed, calibrated, certified, maintained, and operated~~ for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. **For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.**
- (b) **All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.**
- (c) **In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.**
- (d) **Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.**
- (be) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.
- (ef) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (eg) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (eh) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (fi) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.
- D.1.4412 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
-
- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 1 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 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~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this**

condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, **of this permit, shall be subject to approval by IDEM, OAQ,** and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.1.4213 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) **The Permittee shall take reasonable response** ~~Appropriate response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances~~ whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. **Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition.**
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are 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.

* * *

D.1.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) **Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.**
- (b) **Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.**
- (c) **Method 9 readings may be discontinued once a COMS is online.**
- (d) **Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.**

D.1.4517 Record Keeping Requirements

- (a) To document **the compliance status** with ~~Section C – Opacity, Section C – Maintenance of Continuous Opacity Monitoring Equipment,~~ and the particulate matter and opacity Conditions D.1.1, D.1.2, D.1.89, D.1.4412, and D.1.4213, **and D.1.16** the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.1.1 and D.1.2.

* * *

- (b) To document **the compliance status** with the SO₂ Conditions D.1.3, D.1.910 and D.1.4314, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.1.3 and D.1.910. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEMs is not used.
- (1) Whenever using CEMS data to demonstrate **the compliance status** with Condition D.1.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
 - (2) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.1.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.1.3, the Permittee shall maintain actual fuel usage since last compliance determination period.

* * *

- (d) To document **the compliance status** with the NO_x Conditions D.1.4, D.1.89, D.1.4011 and D.1.4415, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.1.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.1.4 and D.1.4011.
- (e) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.1.4618 Reporting Requirements

- ~~(a) A quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), and records of the daily average coal sulfur content, coal heat content, weighing factor, and daily average sulfur dioxide emission rate in pounds per million Btus shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. [326 IAC 7-2-1(c)(1)]~~
- (a) **In order to report the documented compliance status with the SO₂ limits included in Conditions D.1.3, D.1.10 and D.1.14 the following is required:**
- (1) **When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]**
 - (2) **When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day**

rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** [326 IAC10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

* * *

- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the~~ a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the~~ a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring

system performance audits shall be submitted to the address listed in Section C – General Reporting Requirements, of this permit, within **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require the a certification **that meets the requirements of 326 IAC 2-7-6(1)** by the a "responsible official" as defined by 326 IAC 2-7-1(34).

D.2.-56 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan, in accordance with Section B – Preventive Maintenance Plan, of this permit, is required for this facility and its emission control devices.~~

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

D.2.-67 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.2.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. ~~This testing shall be repeated by~~ **not later than** December 31 of every second calendar year following ~~the~~ **the most recent** valid compliance demonstration. **Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures).** ~~Testing shall be conducted in accordance with Section C – Performance Testing~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.**

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.2.-89 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] **[326 IAC 2-7-5(3)(A)(iii)]**

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), **the Permittee shall install calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment** ~~continuous opacity monitoring systems shall be installed, calibrated, certified, maintained, and operated~~ for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. **For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.**
- (b) **All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.**
- (c) **In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.**
- (d) **Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.**
- (~~be~~) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (ef) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (dg) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (eh) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (fi) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.2.-4112 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouses at least once per day when the Boiler No. 2 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 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~~ **contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.
- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, **of this permit, shall be subject to approval by IDEM, OAQ,** and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.2.-4213 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) **The Permittee shall take reasonable response** ~~Appropriate response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances~~ whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. **Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.**
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are 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.

* * *

D.2.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours

of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) **Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.**
- (b) **Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.**
- (c) **Method 9 readings may be discontinued once a COMS is online.**
- (d) **Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.**

D.2.1517 Record Keeping Requirements

- (a) To document **the compliance status** with ~~Section C - Opacity, Section C - Maintenance of Continuous Opacity Monitoring Equipment,~~ and the particulate matter and opacity Conditions D.2.1, D.2.2, D.2.89, D.2.4412, ~~and D.2.4213,~~ and **D.2.16** the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.2.1 and D.2.2.

* * *

- (b) To document **the compliance status** with the SO₂ Conditions D.2.3, D.2.910 and D.2.4314, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.2.3 and D.2.910. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.

- (1) Whenever using CEMS data to demonstrate **the compliance status** with Condition D.2.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
- (2) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.2.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
- (3) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.2.3, the Permittee shall maintain actual fuel usage since last compliance determination period.

* * *

- (d) To document **the compliance status** with the NO_x Conditions D.2.4, D.2.89, D.2.4011 and D.2.4415, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.2.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.2.4 and D.2.4011.

- (e) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

~~D.2.1618~~ Reporting Requirements

- ~~(a) A quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), and records of the daily average coal sulfur content, coal heat content, weighing factor, and daily average sulfur dioxide emission rate in pounds per million Btus shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. [326 IAC 7-2-1(c)(1)]~~

- (a) **In order to report the documented compliance status with the SO₂ limits included in Conditions D.2.3, D.2.10 and D.2.14 the following is required:**

- (1) **When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]**
- (2) **When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]**

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

- (b) ~~A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** [326 IAC 10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted shall include the following:
- (1) Date of downtime.
 - (2) Time of commencement.
 - (3) Duration of each downtime.
 - (4) Reasons for each downtime.
 - (5) Nature of system repairs and adjustments.

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

* * *

- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the~~ a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the~~ a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the~~ a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the~~ a "responsible official" as defined by 326 IAC 2-7-1(34).

D.3.-56 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its emission control devices.~~

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

D.3.-67 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM limitation in Condition D.3.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. ~~This testing shall be repeated by~~ **not later than** December 31 of every second calendar year following ~~the~~ **the most recent** valid compliance demonstration. **Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures).** ~~Testing shall be conducted in accordance with Section C - Performance Testing~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.**

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

D.3.-89 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] **[326 IAC 2-7-5(3)(A)(iii)]**

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), **the Permittee shall install calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment** ~~continuous opacity monitoring systems shall be installed, calibrated, certified, maintained, and operated~~ for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. **For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.**
- (b) **All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.**
- (c) **In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.**
- (d) **Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.**
- (be) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.
- (ef) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (eg) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (eh) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (fi) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.3.-4112 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 3 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 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~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation

from this permit. Failure to take response steps in accordance with ~~Section C – Response to Excursions or Exceedances~~, shall be considered a deviation from this permit.

- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, **of this permit, shall be subject to approval by IDEM, OAQ**, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.3.-4213 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) **The Permittee shall take reasonable response** ~~Appropriate response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances~~ whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. **Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition.**
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are 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.

* * *

D.3.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) **Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.**
- (b) **Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.**
- (c) **Method 9 readings may be discontinued once a COMS is online.**
- (d) **Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.**

D.3.-4517 Record Keeping Requirements

- (a) To document **the compliance status** with ~~Section C – Opacity, Section C – Maintenance of Continuous Opacity Monitoring Equipment~~, and the particulate matter and opacity Conditions D.3.1, D.3.2, D.3.89, D.4412 and D.3.4213 and **D.3.16** the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.3.1 and D.3.2.

* * *

- (b) To document **the compliance status** with the SO₂ Conditions D.3.3, D.3.910 and D.3.1314 the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.3.3 and D.3.910. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.
- (1) Whenever using CEMS data to demonstrate **the compliance status** with Condition D.3.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
 - (2) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.3.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.3.3, the Permittee shall maintain actual fuel usage since last compliance determination period.

* * *

- (d) To document **the compliance status** with the NO_x Conditions D.3.4, D.3.89, D.3.4011 and D.3.4415, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.3.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.3.4 and D.3.4011.
- (e) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.3.-1618 Reporting Requirements

- ~~(a) A quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), and records of the daily average coal sulfur content, coal heat content, weighing factor, and daily average sulfur dioxide emission rate in pounds per million Btus shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. [326 IAC 7-2-1(c)(1)]~~
- (a) **In order to report the documented compliance status with the SO₂ limits included in Conditions D.3.3, D.3.10 and D.3.14 the following is required:**
- (1) **When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]**
 - (2) **When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million**

British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]

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

- (b) A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit,~~ within **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** [326 IAC10-1-4(b)(2)]

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit,~~ within **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted shall include the following:
- (1) Date of downtime.
 - (2) Time of commencement.
 - (3) Duration of each downtime.
 - (4) Reasons for each downtime.
 - (5) Nature of system repairs and adjustments.

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

* * *

- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NO_x exceedances shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit,~~ within **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the~~ a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the~~ a "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted ~~to the address listed in Section C - General~~

~~Reporting Requirements, of this permit, within not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.~~ The report submitted by the Permittee does require ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

~~D.4.-56~~ Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its emission control devices.~~

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

~~D.4.-67~~ Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~Compliance with the PM limitation in Condition D.4.1, shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. This testing shall be repeated by not later than December 31 of every second calendar year following this the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.~~

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

~~D.4.-89~~ Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5][326 IAC 7-2][326 IAC 10-1] [326 IAC 2-7-5(3)(A)(iii)]

- ~~(a)~~ Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), **the Permittee shall install calibrate, certify, operate, and maintain all necessary continuous opacity monitoring systems (COMS) and related equipment** ~~continuous opacity monitoring systems shall be installed, calibrated, certified, maintained, and operated~~ for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2. **For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.**
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.**
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.**
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, 40 CFR 60 and 40 CFR 63.**
- ~~(be)~~ Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.

- (ef) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration, maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (dg) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (eh) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (fi) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

D.4.4112 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler No. 4 is in operation. When for any hourly reading, the pressure drop across the baghouse is outside the normal range of 1.25 to 15 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~~ **contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.
- (b) The instruments used for determining the pressure shall comply with the Section C – Instrument Specifications, **of this permit, shall be subject to approval by IDEM, OAQ,** and shall be calibrated in accordance with the manufacturer’s specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.4.4213 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) ~~The Permittee shall take reasonable response~~ **The Permittee shall take reasonable response** ~~Appropriate response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances~~ whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate. **Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.**
- (b) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are 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.

* * *

D.4.16 Continuous Opacity Monitoring System Downtime [326 IAC 2-7-5(3)(A)(iii)]

Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more, and a backup COMS is not online within twenty-four (24) hours

of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

- (a) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.**
- (b) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.**
- (c) Method 9 readings may be discontinued once a COMS is online.**
- (d) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.**

D.4.1517 Record Keeping Requirements

- (a) To document **the compliance status** with ~~Section C - Opacity, Section C - Maintenance of Continuous Opacity Monitoring Equipment, and the particulate matter and opacity Conditions D.4.1, D.4.2, D.4.89, D.4.112, and D.4.213, and D.4.16~~ the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.4.1 and D.4.2.

* * *

- (b) To document **the compliance status** with the SO₂ Conditions D.4.3, D.4.910 and D.4.1314, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO₂ limits as required in Conditions D.4.3 and D.4.910. The Permittee shall maintain records in accordance with (2) and (3) below during SO₂ CEM system downtime if a backup CEM is not used.
 - (1) Whenever using CEMS data to demonstrate **the compliance status** with Condition D.4.3, the Permittee shall maintain all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 7-2-1(g), with calendar dates and beginning and ending times of any CEM downtime.
 - (2) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.4.3, the Permittee shall maintain all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Whenever the Permittee is not using CEMS data to demonstrate **the compliance status** with condition D.4.3, the Permittee shall maintain actual fuel usage since last compliance determination period.

* * *

- (d) To document **the compliance status** with the NO_x Conditions D.4.4, D.4.89, D.4.1011 and D.4.1415, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.4.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.4.4 and D.4.1011.

- (e) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

~~D.4.1618~~ Reporting Requirements

- ~~(a) A quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), and records of the daily average coal sulfur content, coal heat content, weighing factor, and daily average sulfur dioxide emission rate in pounds per million Btus shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. [326 IAC 7-2-1(c)(1)]~~

- (a) **In order to report the documented compliance status with the SO₂ limits included in Conditions D.4.3, D.4.10 and D.4.14 the following is required:**

- (1) **When using CEMS data to demonstrate the compliance status with the SO₂ limitation, for an entire quarter, a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(g)]**
- (2) **When for any period of the quarter a combination of CEMS data and fuel sampling is being used to demonstrate the compliance status with the SO₂ limitation, the Permittee shall submit a quarterly report of the thirty (30) day rolling weighted average sulfur dioxide emission rate in pounds per million British Thermal Units (lb/MMBtu) and include records of all fuel sampling and analysis data, including the daily average coal sulfur content, coal heat content, weighting factor, and daily average sulfur dioxide emission rate in pounds per million Btu. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 7-2-1(c)(1)]**

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

- (b) ~~A quarterly report of the thirty (30) day rolling weighted average nitrogen oxide(s) emission rate in pounds per million British Thermal Units (lb/MMBtu), shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. [326 IAC 10-1-4(b)(2)]**

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

- (c) Pursuant to 326 IAC 3-5-7(5), a quarterly report of the continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with**

regard to the reporting required by this condition. The report submitted shall include the following:

- (1) Date of downtime.
- (2) Time of commencement.
- (3) Duration of each downtime.
- (4) Reasons for each downtime.
- (5) Nature of system repairs and adjustments.

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

* * *

- (e) Pursuant to 326 IAC 3-5-7, a separate quarterly report of opacity exceedances, SO₂ exceedances, and NOx exceedances shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than thirty (30) days** after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).
- (f) Pursuant to 326 IAC 3-5-5(e), a quarterly report of the continuous emissions monitoring system performance audits shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit, within~~ **not later than thirty (30) days** after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The report submitted by the Permittee does require ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, ~~in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for the emission control devices associated with the facilities in this section. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

D.5.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

* * *

- (e) If abnormal emissions are observed at any baghouse exhaust, the Permittee shall take reasonable response. ~~steps in accordance with Section C - Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.** Observation of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust emissions) or an applicable opacity limit is not a deviation from this permit.

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

D.5.5 Record Keeping Requirements

- (a) To document **the** compliance **status** with Condition D.5.4, the Permittee shall maintain records of the visible emission notations of the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents and all response steps taken and the outcome for each. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that week).
- (b) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements of ~~this permit~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

D.6.34 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance with the PM and PM₁₀ limitations in Condition D.6.1 shall be determined by a performance stack test on one (1) of the three (3) separators on the ash silo conducted using methods as approved by the Commissioner. ~~This testing shall be conducted as least once every 5 years from the date of the most recent last valid compliance demonstration.~~ **Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures).** The separator tested shall be the unit in which the longest amount of time has elapsed since its previous test. ~~Testing shall be conducted in accordance with~~ Section C- Performance Testing **contains the Permittee's obligation with regard to the performance testing required by this condition.** PM₁₀ includes filterable and condensable PM₁₀.

D.6.56 Visible Emissions Notations

* * *

- (f) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response. ~~steps in accordance with~~ Section C – Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

* * *

- (j) If abnormal emissions are observed at any baghouse exhaust or the truck loading and unloading points, the Permittee shall take reasonable response. ~~steps in accordance with~~ Section C – Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** Observations of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions) or an applicable opacity limit 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.

D.6.67 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse filter separators at least

once per day when the pneumatic fly ash system is in operation and transferring ash. The hourly average pressure drop, as recorded by the plant's data management system, shall be considered a valid hour if there are at least sixteen (16) consecutive minutes in the hour when the unit is in operation and transferring ash. When for any valid hourly average reading, the pressure drop across the baghouse filter separators is outside the normal range of 1.25 to 6 inches of water column for the separators 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 Exceedance~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

- (b) The instrument used for determining the pressure shall comply with the Section C – Instrument Specifications, **of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer's specifications or replaced at least once every six (6) months.** The specifications shall be available on site with the Preventive Maintenance Plan.

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

D.6.78 Record Keeping Requirements

- (a) To document **the compliance status** with D.6.56, the Permittee shall maintain records of all the daily visible emissions notations of the truck loading and unloading stations, pneumatic fly ash conveyance, separators exhaust and the ash silo bin vent baghouse exhaust, dry spout, and landfill area. The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that day).
- (b) To document **the compliance status** with D.6.67, the Permittee shall maintain a daily record of the pressure drop across the baghouse filter separators during normal operation. The Permittee shall include in its daily record when a valid hourly average pressure drop reading is not taken for the day and the reason for not collecting a valid hourly average pressure drop reading for the day (e.g., the process did not operate that day). If the for any reason a valid hourly average pressure drop is not collected for the day the Permittee shall keep a record of the manual pressure drop reading for the day
- (c) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.7.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

* * *

- (b) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response. ~~steps in accordance with Section C – Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** Adverse weather conditions shall not relieve the Permittee of responsibility to take reasonable response steps to mitigate fugitive dust formation and transport. Failure to take response steps ~~in accordance with Section C – Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

- (c) If abnormal emissions are observed from the ash storage pond area(s), the Permittee shall take reasonable response. ~~steps in accordance with Section C – Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** Observation of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions), 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) or an applicable opacity limit 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.

* * *

D.7.5 Record Keeping Requirements

- (a) To document **the compliance status** with Section C - Opacity, Section C -Fugitive Dust Emissions and Conditions D.7.3 and D.7.4, the Permittee shall maintain records of the visible emission notations of the fly ash storage pond area(s). The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the plant was closed that day).
- (b) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **contains the Permittee's obligations with regard to the records required by this condition.**

D.8.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan (PMP), in accordance with Section B – Preventive Maintenance Plan of this permit, is required for these sorbent silos and their control devices.~~

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

Compliance Determination Requirements

D.8.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouse, in order to determine compliance with Condition D.8.1, the Permittee shall perform PM testing on one (1) of the two (2) sorbent silo baghouses utilizing methods as approved by the Commissioner. ~~This test shall be repeated at least once every five (5) years from the date of this~~ **the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures).** ~~Testing shall be conducted in accordance with Section C- Performance Testing~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.**
- (b) Within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after the initial startup of the sorbent silo baghouses, the Permittee shall perform PM₁₀ testing on one (1) of the two (2) sorbent silo baghouses utilizing methods as approved by the Commissioner. ~~This testing shall be performed once to demonstrate compliance with the PM₁₀ limit.~~ **Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures).** ~~Testing shall be conducted in accordance with Section C- Performance Testing~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.**

- (c) In order to determine compliance with Condition D.8.1, the Permittee shall perform PM_{2.5} testing of one (1) of the two (2) sorbent silo baghouses within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after initial startup, whichever is later. ~~This testing shall be conducted~~ utilizing methods as approved by the Commissioner. ~~This test shall be repeated at least once every five (5) years from the date of this~~ **the most recent** valid compliance demonstration. ~~Testing shall be conducted in accordance with Section C - Performance Testing~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.**

D.8.6 Visible Emissions Notations

* * *

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. ~~in accordance with Section C - Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.** Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

D.8.7 Parametric Monitoring

The Permittee shall record the pressure drop across each baghouse used in conjunction with the sorbent silo, at least once per day when a sorbent silo is being loaded by truck and exhausting to the atmosphere. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. ~~steps in accordance with Section C- Response to Excursions and Exceedances~~ **contains the Permittee's obligation with regard to the performance testing required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C - Response to Excursions and Exceedances~~ shall be considered deviation from the 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 as specified by the manufacturer **or replaced at least once every six (6) months.**

D.8.8 Record Keeping Requirements

- (a) To document **the compliance status** with Condition D.8.6 - Visible Emission Notation, the Permittee shall maintain weekly records of the visible emission notations of the sorbent silo exhaust stacks when loading. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).
- (b) To document **the compliance status** with Condition D.8.7 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse controlling the sorbent silo. 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).
- (c) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit~~ **contains the Permittee's obligations with regard to the records required by this condition.**

OAQ Change No. 38: The phrase "of this permit" has been added to the paragraph of the Quarterly Deviation and Compliance Monitoring Report to match the underlying rule.

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

COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Address: Jackson Street, New Albany, Indiana 47150
Part 70 Permit No.: T043-27078-00004

* * *

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

* * *

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

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name: Duke Energy Indiana, Inc. - Gallagher Generating Station
Source Location: Jackson Street, New Albany, Indiana 47150
County: Floyd
SIC Code: 4911
Operation Permit No.: T043-27078-00004
Permit Reviewer: APT

The Office of Air Quality (OAQ) has reviewed a Part 70 permit renewal application from Duke Energy Indiana, Inc. relating to the operation of a stationary electric utility generating station.

History

On October 7, 2009, Duke Energy Indiana, Inc. submitted an application to the OAQ requesting to renew its operating permit. Duke Energy Indiana, Inc. was issued a Part 70 Operating Permit No. T043-7244-00004 on July 1, 2004.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with a baghouse for control of particulate matter, and exhausting to Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1993.
- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with a baghouse for control of particulate matter, and exhausting to Stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1993.
- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with a baghouse for control of particulate matter, and exhausting to Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1993.
- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with a baghouse for control of particulate matter, and exhausting to Stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1993.

All coal burned in Boilers No. 1-4, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

- (e) One (1) coal transfer system for Boilers 1, 2, 3, and 4, with a nominal throughput of 800 tons of coal per hour, construction commenced prior to 1974, with equipment including barge unloading, truck unloading, a coal storage pile, conveying, coal bunkers and scale equipped with dust collectors (enclosures) for all units.
- (f) One (1) dry fly ash handling and disposal system, including the following:
 - (1) One (1) pneumatic fly ash transfer system from boiler baghouses to a fly ash storage silo, with a maximum throughput of 17 tons of fly ash per hour, equipped with two (2) separators/mechanical exhausters and one (1) back-up to separate the fly ash, with PM emissions from the storage silo controlled by the separators and a bin vent baghouse.
 - (2) Two (2) activated carbon silos, each with a maximum storage capacity of 60 tons.
 - (3) Loading of fly ash into trucks for transport the landfill and unloading of fly ash from trucks at the landfill.
 - (4) Wind Erosion of fly ash from the landfill.
 - (5) Fugitive dust from equipment traffic at the landfill.
 - (6) Fugitive dust from trucks traveling between the storage silo and the landfill.

Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit

There are no new facilities that were constructed and/or are operating without a permit:

New Emission Units

The following Insignificant activities have been added to the source:

- (1) Space heaters, process heaters, heat treat furnaces, or boilers using the following fuels:
 - (a) Propane or liquefied petroleum gas or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
 - (b) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) British thermal units per hour and firing fuel containing equal to or less than five-tenths percent (0.5%) sulfur by weight.
- (2) CEMS cylinder gas tanks (trivial activities)
- (3) Process safety relief devices installed only for the purpose of minimizing injury to persons or damage to equipment which could result from abnormal process operating conditions.

Emission Units and Pollution Control Equipment Removed From the Source

The following Insignificant activities have been removed from the source:

- (1) Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate; ammonia; and sulfur trioxide.

Insignificant Activities

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

- (1) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hour.
- (2) 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.
- (3) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (4) The following VOC and HAP storage containers:
 - (A) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
 - (B) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (5) Application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (6) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (7) Cleaners and solvents characterized as follows [326 IAC 8-3]:
 - (A) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38°C (100°F) or;
 - (B) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (8) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (9) Closed loop heating and cooling systems.
- (10) Any of the following structural steel and bridge fabrication activities:
 - (A) Cutting 200,000 linear feet or less of one inch (10) plate or equivalent.
 - (B) Using 80 tons or less of welding consumables.
- (11) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (12) Activities associated with the transportation and treatment of sanitary sewage, provided discharge to the treatment plant is under the control of the owner/operator, that is, an on-site sewage treatment facility.
- (13) Any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPs.
- (14) Water based adhesives that are less than or equal to 5% by volume of VOCs, excluding HAPs.
- (15) Replacement or repair of bags in baghouses and filters in other air filtration equipment.

- (16) Heat exchanger cleaning and repair.
- (17) Process vessel degreasing and cleaning to prepare for internal repairs.
- (18) Stockpiled soils from soil remediation activities that are covered and waiting transportation for disposal.
- (19) Paved and unpaved roads and parking lots with public access.
- (20) Conveyors as follows: [326 IAC 6-1]
 - (A) Covered conveyor for coal or coke conveying of less than or equal to 360 tons per day;
 - (B) Uncovered coal conveying of less than or equal to 120 tons per day;
 - (C) Underground conveyors.
- (21) Coal bunker and coal scale exhausts and associated dust collector vents.
- (22) Asbestos abatement projects regulated by 326 IAC 14-10.
- (23) 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.
- (24) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (25) On-site fire and emergency response training approved by the department.
- (26) Emergency generators as follows:
 - (A) Gasoline generators not exceeding 110 horsepower.
 - (B) Diesel generators not exceeding 1600 horsepower.
- (27) Stationary fire pumps.
- (28) Filter and coalescer media changeout.
- (29) Vents from ash transport systems not operated at positive pressure.
- (30) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (31) Farm operations.
- (32) Other activities and categories with emissions below insignificant thresholds:
 - (A) One (1) fuel oil storage tank, installed prior to 1973, with a capacity of 100,000 gallons, used to store fuel oil for boiler start-up.
- (33) Space heaters, process heaters, heat treat furnaces, or boilers using the following fuels:
 - (A) Propane or liquefied petroleum gas or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
 - (B) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) British thermal units per hour and firing fuel containing equal to or less than five-tenths percent (0.5%) sulfur by weight.
- (34) CEMS cylinder gas tanks (trivial activities)

- (35) Process safety relief devices installed solely for the purpose of minimizing injury to persons or damage to equipment which could result from abnormal process operating conditions.
- (36) Multiple ash ponds, with a combined surface area of 57 acres [326 IAC 6-4].

Existing Approvals

Since the issuance of the Part 70 Operating Permit No.T 043-7244-00004, on July 1, 2004, the source has constructed or has been operating under the following approvals as well:

- (1) Significant Permit Modification - CAIR, T043-25682-00004, issued on July 10, 2007;
- (2) Acid Rain Permit - Phase 2 NO_x, T043-24147-00004, issued on August 21, 2007;
- (3) Significant Permit Modification, T043-22712-00004, issued on April 9, 2007;
- (4) Significant Source Modification, T043-22710-00004, issued on February, 23, 2007;
- (5) Significant Permit Modification, T043-22575-00004, issued on November 3, 2006;
- (5) Acid Rain Permit Renewal, AR 043-19351-00004, issued on June 28, 2006; and

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this Part 70 Operating Permit Renewal:

- (a) Pursuant to Significant Permit Modification, T043-22575-00004, issued on November 3, 2006, the electrostatic precipitators (ESPs) used to control Boilers 1-4 were replaced with baghouses. Therefore, the Conditions D.1.9, D.2.9, D.3.9, and D.4.9 have been removed (shown in strikethroughs below), as they are no longer applicable. The remaining Conditions have been renumbered accordingly and all references to the Boilers 1-4 have been updated throughout the permit (not shown in bold and strikethrough in this document).

~~D.1.9 Transformer Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

~~Until the ESP is replaced by a baghouse:~~

- ~~(a) The ability of the ESP to control particulate emissions shall be monitored once per day, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer-rectifier (T-R) sets.~~
- ~~(b) Reasonable response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below ninety percent (90%). T-R set failure resulting in less than ninety percent (90%) availability 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.~~

~~D.2.9 Transformer Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

~~Until the ESP is replaced by a baghouse:~~

- ~~(a) The ability of the ESP to control particulate emissions shall be monitored once per day, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer-rectifier (T-R) sets.~~
- ~~(b) Reasonable response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below ninety~~

~~percent (90%). T-R set failure resulting in less than ninety percent (90%) availability 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.~~

~~D.3.9 Transformer Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

~~Until the ESP is replaced by a baghouse:~~

- ~~(a) The ability of the ESP to control particulate emissions shall be monitored once per day, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer rectifier (T-R) sets.~~
- ~~(b) Reasonable response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below ninety percent (90%). T-R set failure resulting in less than ninety percent (90%) availability 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.~~

~~D.4.9 Transformer Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

~~Until the ESP is replaced by a baghouse:~~

- ~~(a) The ability of the ESP to control particulate emissions shall be monitored once per day, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer rectifier (T-R) sets.~~
- ~~(b) Reasonable response steps shall be taken in accordance with Section C – Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below ninety percent (90%). T-R set failure resulting in less than ninety percent (90%) availability 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.~~

- (b) Pursuant to Significant Source Modification, T043-22710-00004, issued on February 23, 2007, the Flyash handling facility and transport systems and the wet flyash sluiced were replaced at the source with one (1) dry fly ash handling and disposal system. The new dry fly ash handling and disposal system is permitted in Section D.6 of the Part 70 permit. The remaining equipment does not require a Preventive Maintenance Plan. Therefore Conditions D.7.4 and D.7.5 have been removed from this section (shown in strikethroughs below).

~~D.7.4 Particulate [326 IAC 6-3-2]~~

~~Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the flyash handling facility and flyash transport systems shall not exceed an amount determined by the following:~~

- ~~(a) Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:~~

~~$$E = 4.10 P^{0.67}$$
 where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour.~~

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

~~$$E = 55.0 P^{0.14} - 40$$
 where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.~~

- ~~(c) When the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed the pounds per hour limitation calculated using the above equation, provided the concentration of particulate in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of gases.~~

~~D.7.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

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

- (c) The OAQ, IDEM has determined that this source is subject to the requirements of 326 IAC 6-4 (Fugitive Dust Emissions), which will also cover 6-4-4. Therefore, it has been decided that the following condition in the C section of the Part 70 permit is no longer necessary. Therefore, the following condition has been removed from the Part 70 permit, and the remainder of the section C has been renumbered accordingly:

~~C.6 Motor Vehicle Fugitive Dust Sources [326 IAC 6-4-4]~~

~~Pursuant to 326 IAC 6-4-4, no vehicle shall be driven or moved on any public street, road, alley, highway, or other thoroughfare, unless such vehicle is so constructed as to prevent its contents from dripping, sifting, leaking, or otherwise escaping there from so as to create conditions which result in fugitive dust. This section applies only to the cargo any vehicle may be conveying and mud tracked by the vehicle.~~

- (d) The following terms and conditions from previous approvals have been modified and incorporated into this Part 70 Operating Permit Renewal as follows. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

- (1) Section C, General Record Keeping Requirements has been updated as follows:

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

- (a) ~~Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~
- (b) ~~Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.~~
- (c) ~~If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:~~
- (1) ~~Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:~~
- (A) ~~A description of the project.~~
- (B) ~~Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.~~
- (C) ~~A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:~~

- ~~(i) Baseline actual emissions;~~
 - ~~(ii) Projected actual emissions;~~
 - ~~(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); and~~
 - ~~(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.~~
- ~~(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and~~
- ~~(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar-year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.~~
- (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 or ninety (90) days of initial start-up, whichever is later.**
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:**
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:**
 - (A) A description of the project.**
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
 - (i) Baseline actual emissions;**
 - (ii) Projected actual emissions;**
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and**

(iv) **An explanation for why the amount was excluded, and any netting calculations, if applicable.**

(d) **If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:**

- (1) **Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
- (2) **Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

(2) Section C, General Reporting Requirements has been updated as follows:

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

-
- (a) ~~The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~
- (b) ~~The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:-~~
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254
- (c) ~~Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- (d) ~~Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~
- (e) ~~The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.~~
- (f) ~~If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C-~~

~~General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing Electric Utility Steam Generating Unit, then for that project the Permittee shall:~~

~~(1) Submit to IDEM, OAQ, a copy of the information required by (c)(1) in Section C — General Recordkeeping Requirements.~~

~~(2) Submit a report to IDEM, OAQ, within sixty (60) days after the end of each year during which records are generated in accordance with (c)(2) and (3) in Section C — General Recordkeeping Requirements. The report shall contain all information and data describing the annual emissions for the emissions units during the calendar year that preceded the submission of report.~~

~~Reports required in this part shall be submitted to:~~

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

~~(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C — General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17-1.~~

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

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1

(qq) and/or 326 IAC 2-3-1 (II) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and**
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).**
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:**
- (1) The name, address, and telephone number of the major stationary source.**
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.**
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).**
 - (4) Any other information that the Permittee deems fit to include in this report.**

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.**
- (3) The Permittee wanted to clarify that the nominal heat input listed in the emission unit descriptions for boilers 1-4 are based on design capacity and should not be viewed as a limiting factor. Therefore, consistent with the initial Title V application submitted in November of 1996, the actual anticipated maximum heat input capacity is 1460 MMBtu. Therefore, Conditions D.1.1, D.2.1, D.3.1, and D.4.1 have been modified as follows to reflect the maximum heat input capacity of 1460 MMBtu per hour for boilers 1-4:

D.1.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 1 stack shall not exceed ~~0.38~~ **0.36** pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μm^3
Q = ~~5,560~~ **5,840** MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 2 stack shall not exceed ~~0.38~~ **0.36** pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m^3
Q = ~~5,560~~ **5,840** MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.3.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 3 stack shall not exceed ~~0.38~~ **0.36** pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m^3
Q = ~~5,560~~ **5,840** MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

D.4.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(c)), the PM emissions from the Boiler No. 4 stack shall not exceed ~~0.38~~ **0.36** pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{(C)(a)(h)}{76.5(Q^{0.75})(N^{0.25})}$$

Where C = 50 μ/m^3
Q = ~~5,560~~ **5,840** MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

- (4) The following general Condition D.X.2 represents Conditions D.1.2, D.2.2, D.3.2, and D.4.2, as they have been modified to reflect the replacement of the ESPs with baghouses and updated language:

D.X.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(e) **(a)** (Temporary Alternative Opacity Limitations), ~~until the new baghouse comes online,~~ the following applies:

- (1) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]**
- (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the forty percent (40%) opacity limitation established in section 326 IAC 5-1-2.**

However, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

(b) If a facility cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

~~(a) When building a new fire in a boiler, opacity may exceed the 40% opacity limitation established in 326 IAC 5-1-2 for a period not to exceed one (1) hour (ten (10) six (6) minute averaging periods) or until the flue gas temperature reaches two hundred fifty (250) degrees Fahrenheit entering the electrostatic precipitator, whichever occurs first.~~

~~Operation of the electrostatic precipitator is not required during these times.~~

~~(b) When shutting down a boiler, opacity may exceed the 40% opacity limitation established in 326 IAC 5-1-2 for a period not to exceed one half (0.5) hour (five (5) six (6) minute averaging periods).~~

~~(c) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable limit established in 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]~~

(5) The following Conditions D.1.4, D.2.4, D.3.4, and D.4.4 have been added to the Emission Limitations and Standards of the D.1, D.2, D.3, and D.4 sections of the permit, as the source is subject to the requirements of 326 IAC 10-1-4. In accordance with the addition of these requirements, Conditions D.1.10, D.2.10, D.3.10, and D.4.10 have been added to the Compliance Determination Requirements of the D.1, D.2, D.3, and D.4 sections of the permit; Conditions D.1.14, D.2.14, D.3.14, and D.4.14 have been added to the Compliance Monitoring Requirements of the D.1, D.2, D.3, and D.4 sections of the permit; and Conditions D.1.15(d), D.2.15(d), D.3.15(d), and D.4.15(d) have been added to the Record Keeping and Reporting Requirements of the D.1, D.2, D.3, and D.4 sections of the permit:

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

D.1.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 1 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.2.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 2 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.3.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 3 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

D.4.4 Nitrogen Oxides (NO_x) [326 IAC 10-1-4]

Pursuant to 326 IAC 10-1-4(b)(2) (Nitrogen Oxides Control in Clark and Floyd Counties), NO_x emissions from the Boiler No. 4 shall not exceed five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

Compliance Determination Requirements

D.1.10 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the Permittee shall demonstrate that Boiler No. 1 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

D.2.10 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 2 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

D.3.10 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 3 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

D.4.10 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-5, the permittee shall demonstrate that Boiler No. 4 is in compliance with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

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

D.1.14 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 1 and 2 according to the requirements of 326 IAC 3.
- (b) The NO_x CEMs on the common stack for Boilers No. 1 and 2 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (c) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.

- (d) **Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.**
- (e) **Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 1 until the CEMs is brought back online.**

D.2.14 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) **NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 1 and 2 according to the requirements of 326 IAC 3.**
- (b) **The NO_x CEMs on the common stack for Boilers No. 1 and 2 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (c) **Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (d) **Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.**
- (e) **Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 2 until the CEMs is brought back online.**

D.3.14 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) **NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 3 and 4 according to the requirements of 326 IAC 3.**
- (b) **The NO_x CEMs on the common stack for Boilers No. 3 and 4 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (c) **Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (d) **Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.**
- (e) **Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 3 until the CEMs is brought back online.**

D.4.14 Nitrogen Oxide Emissions [326 IAC 10-1]

Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:

- (a) **NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on the common stack for Boilers No. 3 and 4 according to the requirements of 326 IAC 3.**
- (b) **The NO_x CEMs on the common stack for Boilers No. 3 and 4 shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (c) **Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.**
- (d) **Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.**
- (e) **Whenever the CEMs System is down for a period of 24 hours or more, the Permittee shall employ Best Combustion Practices to minimize NO_x emissions from Boiler 4 until the CEMs is brought back online.**

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

D.1.15 Record Keeping Requirements

- (d) **To document compliance with the NO_x Conditions D.1.4, D.1.8, D.1.10, and D.1.14, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.1.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.1.4 and D.1.10.**

D.2.15 Record Keeping Requirements

- (d) **To document compliance with the NO_x Conditions D.2.4, D.2.8, D.2.10, and D.2.14, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.2.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.2.4 and D.2.10.**

D.3.15 Record Keeping Requirements

- (d) **To document compliance with the NO_x Conditions D.3.4, D.3.8, D.3.10 and D.3.14, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.3.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.3.4 and D.3.10.**

D.4.15 Record Keeping Requirements

* * *

- (d) To document compliance with the NO_x Conditions D.4.4, D.4.8, D.4.10 and D.4.14, the Permittee shall maintain records in accordance with the following: Whenever using CEMS data to demonstrate compliance with Condition D.4.4, the Permittee shall maintain all NO_x continuous emissions monitoring data, pursuant to 326 IAC 10-1-5, with calendar dates and beginning and ending times of any CEM downtime. Records shall be complete and sufficient to establish compliance with the NO_x limits as required in Conditions D.4.4 and D.4.10.

* * *

- (6) The following general Condition D.X.8 represents Conditions D.1.8 and D.2.8 as they have been modified to reflect incorporation of CEMS for SO₂ and NO_x and the updated language for COMs:

D.X.78 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous ~~emission~~ opacity monitoring systems shall be **installed**, calibrated, **certified**, maintained, and operated for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2.
- (b) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall **install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 1 and 2, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.**
- (c) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration or maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
- (d) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (e) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (f) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.

- (7) The following general Condition D.X.8 represents Conditions D.3.8 and D.4.8, as they have been modified to reflect incorporation of CEMS for SO₂ and NO_x and the updated language for COMs:

D.X.78 Continuous Emissions Monitoring and Operation (CEMs and COMs) [326 IAC 3-5] [326 IAC 7-2] [326 IAC 10-1]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous ~~emission~~ opacity monitoring systems shall be **installed**, calibrated, **certified**, maintained, and operated for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2.

- (b) Pursuant to 326 IAC 3-5-1(d) (Continuous Monitoring of Emissions), the Permittee shall install, calibrate, certify, operate, and maintain continuous emission monitoring system(s) (CEMS) and related equipment for measuring SO₂ and NO_x emissions rates in lbs/MMBtu from the common stack for Boilers No. 3 and 4, in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.
 - (c) The continuous emissions monitoring system(s) (CEMS) for SO₂ and NO_x emission rates shall be operated at all times the emissions unit or process is operating except for reasonable periods of monitor system downtime due to necessary calibration or maintenance activities or malfunctions. Calibration and maintenance activities shall be conducted pursuant to the standard operating procedures under 326 IAC 3-5-4(a). [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]
 - (d) All CEMS required by this permit shall meet all applicable performance specifications of 40 CFR 60 or any other applicable performance specifications, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
 - (e) In the event that a breakdown of a continuous emission monitoring system required by this permit occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
 - (f) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emissions monitoring systems (CEMs and COMs) pursuant to 326 IAC 3-5, 326 IAC 10-1, 40 CFR 60, or 40 CFR 75.
- (8) For clarification purposes, the following changes have been made to Conditions D.1.13, D.2.13, D.3.13 and D.4.13 represented by the general Condition D.X.13 below:

D.X.13 SO₂ Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the automatic coal sampling system **or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring)** is malfunctioning or down for repairs or adjustments ~~for twenty-four (24) hours or more~~, the following shall be used to provide information related to SO₂ emissions:

- ~~(a) Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.~~
- ~~(b) If during the life of this permit the Permittee notifies the IDEM that, pursuant to 326 IAC 7-2-1(g), continuous emission monitoring data will be used instead of fuel sampling and analysis, then whenever the SO₂ continuous emission monitoring system is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:~~
 - ~~(1) If the CEM system or is down for less than twenty four (24) hours, the Permittee shall substitute an average of the quality assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.~~
 - ~~(2) If the CEM system is down for twenty four (24) hours or more, fuel sampling shall be conducted as specified in part (a) of this condition, above.~~
- (a) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used

to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.X.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.

- (b) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart a above). The daily SO₂ rate measured by using the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.X.3.
- (9) Upon request from the source, the OAQ, IDEM has added provisions for adverse weather pertaining to fugitive particulate control for the following Condition D.5.3 as follows:

Compliance Determination Requirements

D.5.3 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the watering system for the coal storage pile shall be in operation and control emissions as needed when coal is being unloaded, **conveyed, or stored except when the ambient temperature is at or below the freezing point.**

- (10) Upon request from the source, the OAQ, IDEM has completed a review of the compliance test data for the bin vent filter baghouse and the baghouse filter separators. IDEM has concluded that the pressure drop readings for the bin vent filter baghouse are not an accurate determining factor for compliance for this unit. The bin vent filter baghouse is required to have a Preventive Maintenance Plan (PMP) in which baghouse inspections are included, and daily Visible Emissions Notations. These compliance measures have been determined to be sufficient to ensure compliance with the applicable particulate limitations for the bin vent filter baghouse. The baghouse filter separators are equipped with Continuous Emissions Monitors (CEMs) that steadily record emissions data. IDEM has agreed to allow an hourly averaging time for the pressure drop readings for the baghouse filter separators based on the specific operating parameters of the CEMs in order to avoid skewed results of the pressure drop readings. Therefore, Conditions D.6.4 (for clarification purposes), D.6.7 and D.6.8 have been changed as follows:

D.6.4 Particulate Control

- (a) In order to comply with the particulate matter limitations in Conditions D.6.1 and D.6.2, the baghouse filter separators and bin vent baghouse for particulate control shall be in operation and control emissions from the pneumatic fly ash transfer system at all times that the associated process is in operation **and transferring flyash.**
- (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 IDEM, OAQ of the expected date that 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 conditions, and the results of any response actions taken up to the time of notification.

D.6.7 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across ~~the bin vent baghouse and~~ the baghouse filter separators at least once per day when the pneumatic fly ash system is in operation **and transferring ash. The hourly average pressure drop, as recorded by the plant's data management system, shall be considered a valid hour if there are at least sixteen (16) consecutive minutes in the hour when the unit is in operation and transferring ash.** When for any **valid hourly average** reading, the pressure drop across the **baghouse filter separators** ~~bin vent baghouse~~ is outside ~~the normal range of 2.5 to 4.5 inches of water or~~ the normal range of **1.25** ~~3~~ to 6 inches of water **column** for the separators 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.

* * *

D.6.8 Record Keeping Requirements

- (a) To document compliance with D.6.6, the Permittee shall maintain records of all **the daily** visible emissions notations **of the truck loading and unloading stations, pneumatic fly ash conveyance, separators exhaust and the ash silo bin vent baghouse exhaust, dry spout, and landfill area. The Permittee shall include in the daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (i.e., the process did not operate that day).**
- (b) To document compliance with D.6.7, the Permittee shall maintain records of the pressure drop across the **baghouse filter** separators ~~and the silo bin vent baghouse~~ **during normal operation continuously. 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).**
- (c) **All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.**
- (11) Upon request from the source, the OAQ, IDEM has completed a review of the compliance test data for the Baghouses associated with Boilers 1-4, and determined that the data sufficiently established that the baghouses can operate properly and meet applicable emissions limits within a pressure drop range up to 15 inches of water. Furthermore, the word "hourly" has been added to these conditions to clarify the methodology used by the source to obtain pressure drop data. The following changes have been made to Conditions D.1.10, D.2.10, D.3.10, and D.4.10.

D.1.4011 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

~~After the replacement of the ESP by a baghouse:~~

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler **No. 1** is in operation. When for any **hourly** reading, the pressure drop across the baghouse is outside the normal range of 1.25 to ~~4.5~~ **15** 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.

* * *

~~D.2.4011~~ Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

~~After the replacement of the ESP by a baghouse:~~

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler **No. 2** is in operation. When for any **hourly** reading, the pressure drop across the baghouse is outside the normal range of 1.25 to ~~40.5~~ **15** 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.

* * *

~~D.3.4011~~ Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

~~After the replacement of the ESP by a baghouse:~~

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler **No. 3** is in operation. When for any **hourly** reading, the pressure drop across the baghouse is outside the normal range of 1.25 to ~~40.5~~ **15** 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.

* * *

~~D.4.4011~~ Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

~~After the replacement of the ESP by a baghouse:~~

- (a) The Permittee shall record the pressure drop across the baghouse at least once per day when the Boiler **No. 4** is in operation. When for any **hourly** reading, the pressure drop across the baghouse is outside the normal range of 1.25 to ~~40.5~~ **15** 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.

* * *

- (12) Upon request from the source, the OAQ, IDEM has updated the Facility Description list in Section E, Title IV Acid Rain Program Conditions of the Title V permit; However, the actual Title IV Acid Rain permit has not been modified or updated, and is attached to this Title V permit renewal in its existing condition prior to this renewal.

SECTION E TITLE IV ACID RAIN PROGRAM CONDITIONS

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1993.

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1993. ~~The existing ESP on Boiler No. 2 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1993. ~~The existing ESP on Boiler No. 3 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1993. ~~The existing ESP on Boiler No. 4 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

All coal burned in **Boilers No. 1-4**, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

* * *

- (13) Pursuant to 326 IAC 10-4-16, 326 IAC 10-4-1 through 326 IAC 10-4-15 do not apply to any control period in 2009 or thereafter. The 2009 NO_x allowances allocated under 326 IAC 10-4-9 remain in effect for purposes of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program in 326 IAC 24-3. Therefore, Section F, Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget Units Under 326 IAC 10-4-1(a), has been removed from the permit and left as "Reserved" for future rule applicability. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

SECTION F RESERVED

**Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget Units
Under 326 IAC 10-4-1(a)**

ORIS Code: 1008

~~NO_x Budget Source [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)~~

- ~~(a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1993.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- ~~(b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1993. The existing ESP on Boiler No. 2 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- ~~(c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1993. The existing ESP on Boiler No. 3 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- ~~(d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1993. The existing ESP on Boiler No. 4 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

~~F.1 Automatic Incorporation of Definitions [326 IAC 10-4-7(e)]~~

~~This NO_x budget permit is deemed to incorporate automatically the definitions of terms under 326 IAC 10-4-2.~~

~~F.2 Standard Permit Requirements [326 IAC 10-4-4(a)]~~

- ~~(a) The owners and operators of the NO_x-budget source and each NO_x-budget unit shall operate each unit in compliance with this NO_x-budget permit.~~
- ~~(b) The NO_x-budget units subject to this NO_x-budget permit include the following: Boiler No. 1, Boiler No. 2, Boiler No. 3, and Boiler No. 4.~~

~~F.3 Monitoring Requirements [326 IAC 10-4-4(b)]~~

- ~~(a) The owners and operators and, to the extent applicable, the NO_x-authorized account representative of the NO_x-budget source and each NO_x-budget unit at the source shall comply with the monitoring requirements of 40 CFR 75 and 326 IAC 10-4-12.~~
- ~~(b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 326 IAC 10-4-12 shall be used to determine compliance by each unit with the NO_x-budget emissions limitation under 326 IAC 10-4-4(c) and Condition F.4, Nitrogen Oxides Requirements.~~

~~F.4 Nitrogen Oxides Requirements [326 IAC 10-4-4(c)]~~

- ~~(a) The owners and operators of the NO_x-budget source and each NO_x-budget unit at the source shall hold NO_x-allowances available for compliance deductions under 326 IAC 10-4-10(j), as of the NO_x-allowance transfer deadline, in each unit's compliance account and the source's overdraft account in an amount:
 - ~~(1) Not less than the total NO_x-emissions for the ozone control period from the unit, as determined in accordance with 40 CFR 75 and 326 IAC 10-4-12;~~
 - ~~(2) To account for excess emissions for a prior ozone control period under 326 IAC 10-4-10(k)(5); or~~
 - ~~(3) To account for withdrawal from the NO_x-budget trading program, or a change in regulatory status of a NO_x-budget opt-in unit.~~~~
- ~~(b) Each ton of NO_x-emitted in excess of the NO_x-budget emissions limitation shall constitute a separate violation of the Clean Air Act (CAA) and 326 IAC 10-4.~~
- ~~(c) Each NO_x-budget unit shall be subject to the requirements under (a) above and 326 IAC 10-4-4(e)(1) starting on May 31, 2004.~~
- ~~(d) NO_x-allowances shall be held in, deducted from, or transferred among NO_x-allowance tracking-system accounts in accordance with 326 IAC 10-4-9 through 11, 326 IAC 10-4-13, and 326 IAC 10-4-14.~~
- ~~(e) A NO_x-allowance shall not be deducted, in order to comply with the requirements under (a) above and 326 IAC 10-4-4(e)(1), for an ozone control period in a year prior to the year for which the NO_x-allowance was allocated.~~
- ~~(f) A NO_x-allowance allocated under the NO_x-budget trading program is a limited authorization to emit one (1) ton of NO_x in accordance with the NO_x-budget trading program. No provision of the NO_x-budget trading program, the NO_x-budget permit application, the NO_x-budget permit, or an exemption under 326 IAC 10-4-3 and no provision of law shall be construed to limit the authority of the U.S. EPA or IDEM, OAQ to terminate or limit the authorization.~~
- ~~(g) A NO_x-allowance allocated under the NO_x-budget trading program does not constitute a property right.~~
- ~~(h) Upon recordation by the U.S. EPA under 326 IAC 10-4-10, 326 IAC 10-4-11, or 326 IAC 10-4-13, every allocation, transfer, or deduction of a NO_x-allowance to or from each NO_x-budget unit's compliance account or the overdraft account of the source where the unit is located is deemed to amend automatically, and become a part of, this NO_x-budget permit of the NO_x-budget unit by operation of law without any further review.~~

~~F.5 Excess Emissions Requirements [326 IAC 10-4-4(d)]~~

~~The owners and operators of each NO_x-budget unit that has excess emissions in any ozone control~~

period shall do the following:

- (a) ~~Surrender the NO_x allowances required for deduction under 326 IAC 10-4-10(k)(5).~~
- (b) ~~Pay any fine, penalty, or assessment or comply with any other remedy imposed under 326 IAC 10-4-10(k)(7).~~

~~F.6 Record Keeping Requirements [326 IAC 10-4-4(e)] [326 IAC 2-7-5(3)]~~

~~Unless otherwise provided, the owners and operators of the NO_x budget source and each NO_x budget unit at the source shall keep, either on-site at the source or at a central location within Indiana for those owners or operators with unattended sources, each of the following documents for a period of five (5) years:~~

- (a) ~~The account certificate of representation for the NO_x authorized account representative for the source and each NO_x budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 326 IAC 10-4-6(h). The certificate and documents shall be retained either on-site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond the five (5) year period until the documents are superseded because of the submission of a new account certificate of representation changing the NO_x authorized account representative.~~
- (b) ~~All emissions monitoring information, in accordance with 40 CFR 75 and 326 IAC 10-4-12, provided that to the extent that 40 CFR 75 and 326 IAC 10-4-12 provide for a three (3) year period for record keeping, the three (3) year period shall apply.~~
- (c) ~~Copies of all reports, compliance certifications, and other submissions and all records made or required under the NO_x budget trading program.~~
- (d) ~~Copies of all documents used to complete a NO_x budget permit application and any other submission under the NO_x budget trading program or to demonstrate compliance with the requirements of the NO_x budget trading program.~~

~~This period may be extended for cause, at any time prior to the end of five (5) years, in writing by IDEM, OAQ or the U.S. EPA. Records retained at a central location within Indiana shall be available immediately at the location and submitted to IDEM, OAQ or U.S. EPA within three (3) business days following receipt of a written request. Nothing in 326 IAC 10-4-4(e) shall alter the record retention requirements for a source under 40 CFR 75. Unless otherwise provided, all records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

~~F.7 Reporting Requirements [326 IAC 10-4-4(e)]~~

- (a) ~~The NO_x authorized account representative of the NO_x budget source and each NO_x budget unit at the source shall submit the reports and compliance certifications required under the NO_x budget trading program, including those under 326 IAC 10-4-8, 326 IAC 10-4-12, or 326 IAC 10-4-13.~~
- (b) ~~Pursuant to 326 IAC 10-4-6(e), each submission shall include the following certification statement by the NO_x authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NO_x budget sources or NO_x budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."~~
- (c) ~~Where 326 IAC 10-4 requires a submission to IDEM, OAQ, the NO_x authorized account representative shall submit required information to:~~

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

- ~~(d) Where 326 IAC 10-4 requires a submission to U.S. EPA, the NO_x authorized account representative shall submit required information to:~~

~~U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204N
Washington, DC 20460~~

~~F.8 Liability [326 IAC 10-4-4(f)]~~

~~The owners and operators of each NO_x budget source shall be liable as follows:~~

- ~~(a) Any person who knowingly violates any requirement or prohibition of the NO_x budget trading program, a NO_x budget permit, or an exemption under 326 IAC 10-4-3 shall be subject to enforcement pursuant to applicable state or federal law.~~
- ~~(b) Any person who knowingly makes a false material statement in any record, submission, or report under the NO_x budget trading program shall be subject to criminal enforcement pursuant to the applicable state or federal law.~~
- ~~(c) No permit revision shall excuse any violation of the requirements of the NO_x budget trading program that occurs prior to the date that the revision takes effect.~~
- ~~(d) Each NO_x budget source and each NO_x budget unit shall meet the requirements of the NO_x budget trading program.~~
- ~~(e) Any provision of the NO_x budget trading program that applies to a NO_x budget source, including a provision applicable to the NO_x authorized account representative of a NO_x budget source, shall also apply to the owners and operators of the source and of the NO_x budget units at the source.~~
- ~~(f) Any provision of the NO_x budget trading program that applies to a NO_x budget unit, including a provision applicable to the NO_x authorized account representative of a NO_x budget unit, shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under 40 CFR 75 and 326 IAC 10-4-12, the owners and operators and the NO_x authorized account representative of one (1) NO_x budget unit shall not be liable for any violation by any other NO_x budget unit of which they are not owners or operators or the NO_x authorized account representative and that is located at a source of which they are not owners or operators or the NO_x authorized account representative.~~

~~F.9 Effect on Other Authorities [326 IAC 10-4-4(g)]~~

~~No provision of the NO_x budget trading program, a NO_x budget permit application, a NO_x budget permit, or an exemption under 326 IAC 10-4-3 shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the NO_x authorized account representative of a NO_x budget source or NO_x budget unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the CAA.~~

- (14) The following terms and conditions from the previously approved Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a) have been modified and incorporated into this Part 70 Operating Permit Renewal as follows. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

SECTION G Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a)

ORIS Code: 1008

CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a), 326 IAC 24-2-1(a) and 326 IAC 24-3-1(a)

- (a) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 1, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 1 in 1993.

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (b) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 2, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack A. Stack A has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 2 in 1993. ~~The existing ESP on Boiler No. 2 is being replaced with a new baghouse. The new baghouse, anticipated to be online in November 2007, will exhaust to stack A.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (c) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 3, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 3 in 1993. ~~The existing ESP on Boiler No. 3 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

- (d) One (1) dry bottom, pulverized coal-fired boiler, identified as Boiler No. 4, construction commenced prior to August 17, 1971, with a nominal heat input capacity of 1390 million Btu per hour (MMBtu/hr), with an ~~electrostatic precipitator (ESP)~~ **baghouse** for control of particulate matter, and exhausting to stack B. Stack B has continuous emissions monitors (CEMs) for nitrogen oxides (NO_x) and sulfur dioxide (SO₂) and a continuous opacity monitor (COM). Low-NO_x burners were installed on Boiler No. 4 in 1993. ~~The existing ESP on Boiler No. 4 is being replaced with a new baghouse. The new baghouse, anticipated to be online in May 2008, will exhaust to stack B.~~

All coal burned **in Boilers No. 1-4**, including coal treated with any additive, shall meet the ASTM definition of coal. Any boiler or condenser tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.

G.2 Standard Permit Requirements [326 IAC 24-1-4(a)] [326 IAC 24-2-4(a)] [326 IAC 24-3-4(a)] [40 CFR 97.106(a)] [40 CFR 97.206(a)] [40 CFR 97.306(a)]

- (a) The owners and operators of ~~the~~ **each** CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units shall operate each **source and** unit in compliance with this CAIR permit.

- (b) The CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units subject to this CAIR permit are, Boiler No. 1, Boiler No. 2, Boiler No. 3, and Boiler No. 4.

G.3 Monitoring, Reporting, and Record Keeping Requirements [326 IAC 24-1-4(b)]
[326 IAC 24-2-4(b)] [326 IAC 24-3-4(b)] [40 CFR 97.106(b)] [40 CFR 97.206(b)]
[40 CFR 97.306(b)]

- (a) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall comply with the **applicable** monitoring, reporting, and record keeping requirements of 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.

* * *

G.4.1 Nitrogen Oxides Emission Requirements [326 IAC 24-1-4(c)] [40 CFR 97.106(c)]

- (a) As of the allowance transfer deadline **for a control period**, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 326 IAC 24-1-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 326 IAC 24-1-11.

- ~~(b) A CAIR NO_x unit shall be subject to the requirements under (a) above and 326 IAC 24-1-4(c)(1) starting on January 1, 2008.~~

- (b) A CAIR NO_x unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.**

- (c) A CAIR NO_x allowance shall not be deducted for compliance with the requirements under ~~(a) above and 326 IAC 24-1-4(c)(1)~~, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

* * *

G.4.2 Sulfur Dioxide Emission Requirements [326 IAC 24-2-4(c)] [40 CFR 97.206(c)]

- (a) As of the allowance transfer deadline **for a control period**, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions ~~under~~ for the control period under 326 IAC 24-2-8(j) and 326 IAC 24-2-8(k) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 326 IAC 24-2-10.

- ~~(b) A CAIR SO₂ unit shall be subject to the requirements under (a) above and 326 IAC 24-2-4(c)(1) starting on January 1, 2009.~~

- (b) A CAIR SO₂ unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.**

- (c) A CAIR SO₂ allowance shall not be deducted for compliance with the requirements under ~~(a) above and 326 IAC 24-2-4(c)(1)~~, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

* * *

G.4.3 Nitrogen Oxides Ozone Season Emission Requirements [326 IAC 24-3-4(c)] [40 CFR 97.306(c)]

- (a) As of the allowance transfer deadline **for a control period**, the owners and operators of the each CAIR NO_x ozone season source and each CAIR NO_x ozone season unit at the source shall hold, in the source's compliance account, CAIR NO_x ozone season allowances available for

compliance deductions for the control period under 326 IAC 24-3-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x ozone season units at the source, as determined in accordance with 326 IAC 24-3-11.

- ~~(b) A CAIR NO_x unit shall be subject to the requirements under (a) above and 326 IAC 24-3-4(c)(1) starting on May 1, 2008.~~
- (b) A CAIR NO_x ozone season unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.**
- (c) A CAIR NO_x ozone season allowance shall not be deducted for compliance with the requirements under ~~(a) above and~~ 326 IAC 24-3-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_x ozone season allowance was allocated.
- (d) CAIR NO_x ozone season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x ozone season allowance tracking system accounts in accordance with 326 IAC 24-3-9, 326 IAC 24-3-10, and 326 IAC 24-3-12.
- (e) A CAIR NO_x **for a control period** allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_x ozone season trading program. No provision of the CAIR NO_x ozone season trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-3-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR NO_x **for a control period** allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-3-8, 326 IAC 24-3-9, 326 IAC 24-3-10, or 326 IAC 24-3-12, every allocation, transfer, or deduction of a CAIR NO_x ozone season allowance to or from a CAIR NO_x ozone season source's compliance account is incorporated automatically in this CAIR permit.

G.5 Excess Emissions Requirements [326 IAC 24-1-4(d)] [326 IAC 24-2-4(d)] [326 IAC 24-3-4(d)]
[40 CFR 97.106(d)] [40 CFR 97.206(d)] [40 CFR 97.306(d)]

-
- (a)** The owners and operators of a CAIR NO_x source and each CAIR NO_x unit that emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation shall do the following:
- (a1) Surrender the CAIR NO_x allowances required for deduction under 326 IAC 24-1-9(j)(4).
- (b2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.
- Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-1-4, the Clean Air Act (CAA), and applicable state law.
- (b)** The owners and operators of a CAIR SO₂ source and each CAIR SO₂ unit that emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation shall do the following:
- (a1) Surrender the CAIR SO₂ allowances required for deduction under 326 IAC 24-2-8(k)(4).
- (b2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.
- Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-2-4, the Clean Air Act (CAA), and applicable state law.
- (c)** The owners and operators of a CAIR NO_x ozone season source and each CAIR NO_x ozone season unit that emits nitrogen oxides during any control period in excess of the CAIR NO_x ozone season emissions limitation shall do the following:

- (a1) Surrender the CAIR NO_x ozone season allowances required for deduction under 326 IAC 24-3-9(j)(4).
- (b2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-3-4, the Clean Air Act (CAA), and applicable state law.

G.6 Record Keeping Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)]
[326 IAC 2-7-5(3)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

Unless otherwise provided, the owners and operators of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall keep on site at the source or at a central location within Indiana for those owners or operators with unattended sources, each of the following documents for a period of five (5) years from the date the document was created:

- (a) The certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), **and** 326 IAC 24-3-6(h) for the CAIR designated representative for the source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation. The certificate and documents shall be retained on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond such five (5) year period until such documents are superseded because of the submission of a new account certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), **and** 326 IAC 24-3-6(h) changing the CAIR designated representative.

* * *

G.7 Reporting Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)]
[40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

* * *

- (c) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to IDEM, OAQ, the ~~CAIR designated representative shall submit required~~ information **shall be submitted** to:

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

- (d) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to U.S. EPA, the ~~CAIR designated representative shall submit required~~ information **shall be submitted** to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204N
Washington, DC 20460

G.8 Liability [326 IAC 24-1-4(f)] [326 IAC 24-2-4(f)] [326 IAC 24-3-4(f)] [40 CFR 97.106(f)]
[40 CFR 97.206(f)] [40 CFR 97.306(f)]

The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall be liable as follows:

- (a) Each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall meet the requirements of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program, **respectively**.

* * *

G.10 CAIR Designated Representative and Alternate CAIR Designated Representative [326 IAC 24-1-6] [326 IAC 24-2-6] [326 IAC 24-3-6] [40 CFR 97, Subpart BB] [40 CFR 97, Subpart BBB] [40 CFR 97, Subpart BBBB]

Pursuant to 326 IAC 24-1-6, 326 IAC 24-2-6, and 326 IAC 24-3-6:

- (a) Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source, including all CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units at the source, shall have one (1) and only one (1) CAIR designated representative, with regard to all matters under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program concerning the source or any CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source.
- (b) The provisions of 326 IAC 24-1-6(f), 326 IAC 24-2-6(f), and 326 IAC 24-3-6(f) shall apply where the owners or operators of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source choose to designate an alternate CAIR designated representative.

Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), whenever the term "CAIR designated representative" is used, the term shall be construed to include the CAIR designated representative or any alternate CAIR designated representative.

Enforcement Issue

There are no enforcement actions pending.

County Attainment Status

The source is located in Floyd County.

Table 1: County Attainment Status

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Attainment effective October 23, 2001, for the 1-hour ozone standard for the Louisville area, including Floyd County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standard (NAAQS) for purposes of 40 CFR Part 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM_{2.5}.

- (a) Ozone Standards
 - (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1, revoking the one-hour ozone standard in Indiana.
 - (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph counties as attainment for the 8-hour ozone standard.
 - (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Hamilton, Hancock, Hendricks, Johnson,

Madison, Marion, Morgan, and Shelby counties as attainment for the 8-hour ozone standard.

- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Floyd County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM_{2.5}

U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Floyd County as nonattainment for PM_{2.5}. On March 7, 2005, the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8, 2008, and effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Floyd County has been classified as attainment or unclassifiable in Indiana for SO₂, CO, O₃, PM₁₀, NO₂, and Pb. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (d) Since this source is classified as a fossil fuel fired steam electric plant of more than two hundred fifty million (250,000,000) British thermal units per hour heat input, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions

Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Unrestricted Potential Emissions

These tables reflect the unrestricted potential emissions of the source.

Table 2: Unrestricted Potential Emissions	
Pollutant	Potential to Emit (tons/year)
PM	greater than 100, less than 250
PM ₁₀	greater than 100, less than 250
PM _{2.5}	greater than 100, less than 250
SO ₂	greater than 100, greater than 250
VOC	less than 100
CO	greater than 100, greater than 250
NO _x	greater than 100, greater than 250
HAPs	Potential to Emit (tons/year)
Lead Compounds	greater than 10
All Other HAPs	less than 10 each
TOTAL	greater than 25

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM, PM₁₀, PM_{2.5}, SO₂, CO and NO_x is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are counted toward the determination of Part 70 applicability.
- (d) This existing stationary source is major for Nonattainment NSR because the potential emissions of the nonattainment pollutant, PM_{2.5}, are greater than one hundred (>100) tons per year.
- (e) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of one hundred (100) tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (f) The Permittee has agreed that they are major for Part 70 Permits 326 IAC 2-7, Prevention of Significant Deterioration (PSD) 326 IAC 2-2, Nonattainment NSR for PM_{2.5}, and Hazardous Air Pollutants 326 IAC 20. No calculations of unrestricted Potential to Emit have been completed for SO₂, CO, O₃, PM₁₀, PM, PM_{2.5}, NO₂, or Pb.

Part 70 Permit Conditions

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

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

Potential to Emit After Issuance

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

Table 3: Limited Potential to Emit (tons/year)									
Process/ Emission Unit	PM	PM₁₀	PM_{2.5}	SO₂	VOC	CO	NO_x	HAPs Single (S) & Combined (C)	Limiting Rules
Boilers 1-4	0.36 lb/MMBtu input	>100 <250	>100 <250	>250	<100	>250	0.5 lb/MMBtu input - 30 day rolling average	>10 (S) >25 (C)	326 IAC 6-2-3 & 326 IAC 10-1-4
Coal Handling and Storage	75 lb/hr	>100 <250	>100 <250	NA	NA	NA	NA	Na	326 IAC 6-3-2
Dry flyash handling separators	1.83 lb/hr & 27.5 lb/hr	1.83 lb/hr	>100 <250	NA	NA	NA	NA	<10 (S) <25 (C)	326 IAC 2-2, 326 IAC 6-3-2, 326 IAC 2-4.1
Dry flyash handling silo bin vent filter	0.41 lb/hr & 27.5 lb/hr	0.41 lb/hr	>100 <250	NA	NA	NA	NA	<10 (S) <25 (C)	326 IAC 2-2, 326 IAC 6-3-2, 326 IAC 2-4.1
Total	>100, <250	>100, <250	>100, <250	>250	<100	>250	>250	>10 (S) >25 (C)	
Major Source Threshold	250	250	100	250	250	250	250	10 (S) / 25 (C)	326 IAC 2-2, 2-3, & 2-1.1-5

Federal Rule Applicability Determination

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:
- (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM:

Table 4: CAM Applicability Analysis*								
Emission Unit / Pollutant		Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Boiler 1	PM/PM ₁₀	Baghouse	Y	>100	<100	100	Y	N
Boiler 2	PM/PM ₁₀	Baghouse	Y	>100	<100	100	Y	N
Boiler 3	PM/PM ₁₀	Baghouse	Y	>100	<100	100	Y	N
Boiler 4	PM/PM ₁₀	Baghouse	Y	>100	<100	100	Y	N
Dry flyash handling	PM/PM ₁₀	Baghouse	Y	>100	<100	100	Y	N
Dry flyash handling	PM/PM ₁₀	Baghouse	Y	<100	<100	100	N	N
Coal transfer system	PM/PM ₁₀	passive - enclosures	Y	>100	<100	100	N	N

*CAM cannot be evaluated for other criteria pollutants because no other control devices are utilized at the source.

(b) Existing emission units - Compliance Assurance Monitoring (CAM)

(1) Boilers No. 1-4

- (A) Although each boiler has the potential to emit (before controls) of SO₂ and NO_x greater than the major source thresholds, pursuant to 40 CFR 64.1, a passive control measure such as using low sulfur coal and low NO_x burners are not considered to be control devices. Therefore, CAM is not applicable to the boilers for SO₂ or NO_x. Each boiler also has the potential to emit of individual HAPs and combination of HAPs greater than major source thresholds, but is not subject to emission limitations for these HAPs. Therefore, CAM is not applicable to the boilers for HAPs. Each boiler has a potential to emit VOC below the major source thresholds, and none of the boilers are subject to an emission limitation for CO. Therefore, CAM is not applicable to the boilers for VOC or CO.
- (B) Each of the four (4) boilers has the potential to emit (before controls) of PM/PM₁₀ greater than major source thresholds, is subject to a PM/PM₁₀ limit, and uses a control device to achieve that limit. Therefore, boilers 1 through 4 and the associated baghouses are subject to the requirements of CAM for PM/PM₁₀.
- (C) The four (4) boilers are not large pollutant specific emission units, as defined in 40 CFR 64.5(a), since each has potential to emit of PM/PM₁₀ after controls less than 100% of major source thresholds. Pursuant to 40 CFR 64.5(b), a CAM plan has been submitted as part of the Part 70 Renewal application, and is sufficient to satisfy CAM requirements for these units.

(2) Dry flyash handling

- (A) The dry flyash handling process has the potential to emit (before controls) of PM/PM₁₀ greater than major source thresholds, is subject to a PM/PM₁₀ limit, and uses a control device to achieve that limit. Therefore, the dry flyash handling process and the associated separators and bin vent baghouse are subject to the requirements of 40 CFR Part 64, CAM for PM/PM₁₀ emissions.
- (B) The dry flyash handling process is not a large pollutant specific emission unit, as defined in 40 CFR 64.5(a), since it has potential to emit of PM/PM₁₀ after controls less than 100% of major source thresholds. Pursuant to 40 CFR 64.5(b), a CAM plan has been submitted as part of the Part 70 Renewal application, and is sufficient to satisfy CAM requirements for this unit.
- (C) The dry flyash handling process has the potential to emit (before controls) of PM/PM₁₀ less than major source thresholds. Therefore, the dry flyash handling process and the associated separators and bin vent baghouse are not subject to the requirements of 40 CFR Part 64, CAM for PM/PM₁₀ emissions.

(3) Coal transfer system

- (A) The coal transfer system has the potential to emit (before controls) of PM/PM₁₀ greater than major source thresholds and is subject to a PM/PM₁₀ limit; however, a passive control measure such as using enclosures is not considered to be control devices. Therefore, CAM is not applicable to the coal transfer system for PM/PM₁₀.

(c) 40 CFR 60 (New Source Performance Standards)

The four (4) pulverized coal-fired dry bottom boilers, identified as Boiler No. 1, Boiler No. 2, Boiler No. 3, and Boiler No. 4 are not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40 through 60.48c, Subparts D, Da, Db, and Dc, Standards of Performance for Fossil-Fuel-Fired Steam Generators and Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units), because all of the boilers were constructed before August 17, 1971, and have not been modified after that date.

- (d) The New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants (40 CFR 60.670-676, Subpart OOO) are not applicable to the fly ash handling and disposal operation, as fly ash does not meet the definition of "nonmetallic mineral" in 40 CFR 60.671.
- (e) The coal processing is not subject to the requirements of the New Source Performance Standard, 326 IAC 12 (40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants) because the coal processing and conveying equipment, storage systems, and transfer and loading systems were all constructed before October 24, 1974, and have not been modified after that date.
- (f) The gasoline and distillate fuel oil storage tanks are not subject to the requirements of the New Source Performance Standard, 326 IAC 12 (40 CFR 60, Subpart K, (Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and prior to May 19, 1978) because they were all installed prior to 1973.
- (g) The fuel oil storage tank, with a capacity of 100,000 gallon oil tank is not subject to the New Source Performance Standards Subparts K, Ka, or Kb (40 CFR 60.110, 326 IAC 12), because the tank was constructed prior to June 11, 1973.
- (h) The degreasing station is not subject to the National Emission Standards for Hazardous Air Pollutants, 326 IAC 20-6-1 (40 CFR 63, Subpart T) because the solvents listed are not used: solvent containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in a total concentration greater than 5 percent by weight, as a cleaning and/or drying agent.
- (i) Title IV Acid Rain Program
Boilers No. 1, 2, 3, and 4 are subject to the Title IV Acid Rain Program under 40 CFR 72. Pursuant to 326 IAC 21 (Acid Deposition Control), the Permittee shall comply with all provisions of the Acid Rain permit issued for this source, and any other applicable requirements contained in 40 CFR 72 through 40 CFR 78. The Acid Rain permit for this source is attached to the Part 70 operating permit as Attachment A, and is incorporated by reference.

Title IV Emissions Allowances

Emissions exceeding any allowances that the Permittee lawfully holds under the Title IV Acid Rain Program of the Clean Air Act are prohibited, subject to the following limitations:

- (1) No revision of this permit shall be required for increases in emissions that are authorized by allowances acquired under the Title IV Acid Rain Program, provided that such increases do not require a permit revision under any other applicable requirement.
 - (2) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not use allowances as a defense to noncompliance with any other applicable requirement.
 - (3) Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.
- (j) NO_x Budget Program
Boilers No. 1, 2, 3, and 4 are subject to the NO_x Budget Program under 40 CFR 76. Pursuant to 326 IAC 10-4-16, 326 IAC 10-4-1 through 326 IAC 10-4-15 do not apply to any control period in 2009 or thereafter. The 2009 NO_x allowances allocated under 326 IAC 10-4-9 remain in effect for purposes of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program in 326 IAC 24-3.
 - (k) Clean Air Interstate Rule (CAIR)
Boilers No. 1, 2, 3, and 4 are subject to the Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs – CAIR Permit for CAIR Units under 40 CFR 97.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and Nonattainment NSR (326 IAC 2-1.1-5)

- (a) The coal-fired boilers were constructed prior to the applicability dates of the PSD requirements of 326 IAC 2-2, and have not been reconstructed or modified since that date.
- (b) Pursuant to Significant Permit Modification No. 043-22712-00004, issued on April 9, 2007, the following limits are required in order to render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable. At the time that this Significant Permit Modification was issued, EPA had established that PM₁₀ would temporarily serve as the surrogate for PM_{2.5} emissions and a limit of less than fifteen (15) tons/yr was required. Since then, the EPA has established that PM_{2.5} emissions be determined independently of PM₁₀, and has set a PM_{2.5} emissions limit of ten (10) tons per year in order to render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to a modification. Because this decision by the EPA was made after the issuance of the Significant Permit Modification No. 043-22712-00004 which established these limits, no changes have been made to the emissions limits.

The Permittee shall comply with the following emission limits for the fly ash handling operation:

- (1) PM/PM₁₀ emissions from each separator shall not exceed 0.91 pounds per hour.
- (2) The Permittee shall operate only two (2) separators at one time.
- (3) PM/PM₁₀ emissions from the silo bin vent filter shall not exceed 0.41 pounds per hour.

Compliance with these limits in conjunction with the potential fugitive emissions from truck loading and unloading, the activated carbon silos, vehicular traffic, wind erosion of fly ash from the landfill, and dust from equipment traffic at the landfill will ensure that the PM emissions are less than twenty-five (25) tons/yr and PM₁₀ (at the time, a surrogate for PM_{2.5}) emissions are less than fifteen (15) tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) are rendered not applicable.

326 IAC 2-4.1 (New Source Toxics Control)

- (a) Pursuant to 326 IAC 2-4.1(a), 326 IAC 2-4.1 applies to "any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997". The Boilers 1 through 4 were constructed prior to 1971, and have not been reconstructed since that date. In addition, on March 29, 2005, in the Federal Register notice 70 FR 15993, EPA removed coal-fired electric utility boilers from the list of source categories regulated by the MACT standards under 112(c) of the Clean Air Act (CAA). Therefore, pursuant to 326 IAC 2-4.1(b)(3), the four (4) coal-fired boilers 1 through 4 are not subject to 326 IAC 2-4.1.
- (b) The operation of the fly ash disposal and handling system emits less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply to these facilities.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it is required to have a Part 70 permit, and emits more than two thousand five hundred (2,500) tons per year of sulfur dioxide. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8) (Emission Statement Operating Year).

326 IAC 2-7-5(13) (Preventive Maintenance Plan)

Pursuant to 326 IAC 2-5-5(13), this rule applies to this source.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

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). The fly ash pond and fly ash landfill are also subject to the requirements under 326 IAC 6-4-2. 326 IAC 6-4-2(4) is not federally enforceable.

326 IAC 7-3 (Ambient Monitoring)

- (a) The Permittee shall operate continuous ambient sulfur dioxide air quality monitors and a meteorological data acquisition according to a monitoring plan submitted to the commissioner for approval. The monitoring plan shall include requirements listed in 326 IAC 7-3-2(a)(1), 326 IAC 7-3-2(a)(2) and 326 IAC 7-3-2(a)(3).
- (b) The Permittee and other operators subject to the requirements of this rule, located in the same county, may submit a joint monitoring plan to satisfy the requirements of this rule. [326 IAC 7-3-2(c)]
- (c) The Permittee may petition the commissioner for an administrative waiver of all or some of the requirements of 326 IAC 7-3 if such owner or operator can demonstrate that ambient monitoring is unnecessary to determine continued maintenance of the sulfur dioxide ambient air quality standards in the vicinity of the source. [326 IAC 7-3-2(d)]

326 IAC 8-7-2 (Specific VOC Reduction Requirements for Lake/Porter/Clark/Floyd Counties)

Pursuant to 326 IAC 8-7-2(a), stationary sources located in Floyd County that emit or have the potential to emit volatile organic compounds (VOCs) at levels equal to or greater than one hundred (100) tons per year shall limit and reduce VOC emissions. This source is not subject to the requirements of 326 IAC 8-7-2, as the source-wide potential to emit VOCs is less than one hundred (100) tons per year.

State Rule Applicability – Individual Facilities

State Rule Applicability - Coal-fired Boilers No. 1, No. 2, No. 3, and No. 4

326 IAC 5-1-3 (Temporary Alternative Opacity Limitations)

Pursuant to 326 IAC 5-1-3(a) (Temporary Alternative Opacity Limitations), the following applies to Boilers No. 1, No. 2, No. 3, and No. 4:

- (a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limitation established by section 326 IAC 5-1-2. however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.
- (b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable opacity limit established in section 326 IAC 5-1-2; however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6) minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6) minute averaging periods in a twelve (12) hour period.

326 IAC 6-2-3 (Particulate Matter Emissions Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-3 (Particulate Matter Emissions Limitations for Sources of Indirect Heating), the PM emissions from Boilers No. 1, No. 2, No. 3, and No. 4 shall each be limited to 0.36 pound per million Btu heat input based on each boiler having a maximum heat input capacity of 1460 million Btu per hour. The limitation was calculated using the following equation:

$$Pt = \frac{(C) (a) (h)}{76.5 (Q^{0.75}) (N^{0.25})}$$

Where C = 50 μ/m^3
Q = 5,840 MMBtu/hr (max capacity of boilers 1-4)
N = 2 (number of stacks)
a = 0.8
h = 550 Feet (average stack height)

Calculations for 326 IAC 6-2-3 PM limit:

$$Pt = \frac{(50) (0.8) (550)}{76.5 (5840^{0.75}) (2^{0.25})} = 0.36 \text{ lb/MMBtu}$$

$$Pt = 0.36 \text{ lb/MMBtu}$$

The baghouses shall be in operation at all times Boilers No. 1, No. 2, No. 3, and No. 4 are in operation, in order to comply with this limit.

326 IAC 7-4-9 Floyd County Sulfur Dioxide Emission Limitations

Pursuant to 326 IAC 7-4-9, sulfur dioxide emissions from the Duke Energy Indiana, Inc. (formerly known as Public Service Indiana (PSI)) Gallagher Plant Units 1, 2, 3, and 4 (Boilers 1-4) shall be limited to four and seven-tenths (4.7) pounds per million Btu each.

326 IAC 10-1-4 (Nitrogen Oxides Control in Clark and Floyd Counties)

Pursuant to 326 IAC 10-1-4(b)(2) the owner or operator of an affected source shall limit nitrogen oxide (NO_x) emissions from electric utility steam generating boilers. Therefore, the four (4) wall-fired dry bottom boilers (identified as boilers 1-4) using pulverized coal, shall each limit NO_x emissions to five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis.

326 IAC 10-4 (NO_x Budget Trading Program)

Pursuant to 326 IAC 10-4-16, 326 IAC 10-4-1 through 326 IAC 10-4-15 do not apply to any control period in 2009 or thereafter. The 2009 NO_x allowances allocated under 326 IAC 10-4-9 remain in effect for purposes of the Clean Air Interstate Rule (CAIR) NO_x Ozone Season Trading Program in 326 IAC 24-3.

326 IAC 21-1 (Acid Deposition Control)

Pursuant to 326 IAC 21 (Acid Deposition Control), the Permittee shall comply with all provisions of the Acid Rain permit AR 043-24147-00004 and revision(s) issued for this source.

326 IAC 24-1 Clean Air Interstate Rule (CAIR)

Pursuant to 326 IAC 24-1-1(a) (Clean Air Interstate Rule (CAIR)), Boilers 1-4 are subject to the requirements of CAIR. Therefore, the Permittee shall comply with all provisions of the CAIR Nitrogen Oxides Annual, Sulfur Dioxide, and Nitrogen Oxides Ozone Season Trading Programs as established in 40 CFR 97, and outlined in section G of the Part 70 permit.

State Rule Applicability - Coal Handling and Storage

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents shall not exceed 75 pounds per hour when operating at a process weight of 800 tons/hr, as determined by the following equation:

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

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour; and
P = 800 (process weight rate in tons per hour)

$$E = 55.0 P^{0.11} - 40$$
$$E = (55.0 \times 800^{0.11}) - 40$$
$$E = (55.0 \times 2.086123) - 40$$
$$E = 114.736 - 40$$
$$E = 75 \text{ lb/hr}$$

When the process weight exceeds two hundred (200) tons/hour, the maximum allowable emission may exceed 75 pounds per hour, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of gases.

The baghouses shall be in operation at all times the associated drop point conveyors are in operation, in order to comply with this limit.

State Rule Applicability - Dry flyash handling

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

Pursuant to Significant Permit Modification No. 043-22712-00004, issued on April 9, 2007, the following particulate limits apply to these facilities:

- (a) The potential PM emissions from the activated carbon silos, and truck loading and unloading operations are less than 0.551 pounds per hour. Therefore, these processes are not subject to 326 IAC 6-3.
- (b) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the pneumatic conveying of fly ash to the storage bin shall not exceed 27.5 pounds per hour when operating at a process weight rate of 17.0 tons per hour. The pound per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

The total controlled potential to emit of PM based on vendor guaranteed PM loading of 0.02 gr/dscf from the two (2) exhausters is 5.85 tons per year or 1.34 pounds per hour, which is less than the limit above. Therefore, these facilities are able to comply with this limit.

- (c) The two (2) exhausters and the bin vent baghouse shall be in operation at all times the fly ash is pneumatically conveyed to the storage silo, in order to comply with this limit.

State Rule Applicability - Insignificant Activities

326 IAC 8-3-2 (Organic Solvent Degreasing Operations)

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), existing facilities as of January 1, 1980, performing organic solvent degreasing operations located in Clark, Elkhart, Floyd, Lake, Marion, Porter, and St. Joseph Counties and which are located at sources which have potential emissions of ninety and seven-tenths (90.7) megagrams (one hundred (100) tons) or greater per year of VOC are subject to the requirements in 326 IAC 8-3-2. Some of the degreasing units at this source meet the above criteria, and therefore, 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.

326 IAC 8-3-5(a) (Cold Cleaner Operations)

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

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heater.
- (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 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)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F));

A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
A water cover when solvent is used is insoluble in, and heavier than, water.

Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to U.S. EPA as a SIP revision.

326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control)

Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for a 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.

326 IAC 8-4-3 (Petroleum Liquid Storage Tanks)

- (a) The requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Tanks) do not apply to the boilers' start-up fuel oil storage tank because it was constructed prior to January 1, 1980.

326 IAC 8-4-6 (Gasoline Dispensing Facilities)

Pursuant to 326 IAC 8-4-1 (Applicability), 326 IAC 8-4-6 (Gasoline Dispensing Facilities) does not apply to the storage tank or dispensing facility because they were constructed prior to July 1, 1989 and have monthly throughputs less than 10,000 gallons.

Compliance Determination and Monitoring Requirements

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

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

Boilers 1 through 4

- (a) Boilers 1 through 4 and the associated baghouses have the following Compliance Determination Requirements:
- (1) In order to demonstrate compliance with the PM limitation established in 326 IAC 6-2-3 (Particulate Matter Emissions Limitations for Sources of Indirect Heating), shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
 - (2) Except as otherwise provided by statute or rule or in this permit, the baghouses shall be operated at all times that the boilers are in operation and combusting fuel.
 - (3) 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.
 - (4) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous emission monitoring systems shall be calibrated, maintained, and operated for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2.
 - (5) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of 4.70 pounds per MMBtu based on a thirty (30) day rolling weighted average.

(6) Pursuant to 326 IAC 10-1-5, the Permittee shall demonstrate that Boilers No. 1, 2, 3, and 4 are each compliant with the NO_x emission limit of five-tenths (0.5) lb/MMBtu input on a thirty (30) day rolling average basis initially either by using a U.S. EPA or department certified continuous emissions monitor (CEM) or by using the test methods and procedures that follow either 326 IAC 3 or 40 CFR 60. After the date that the initial compliance with the emission limits in section 326 IAC 10-1-4 is demonstrated, an owner or operator who installed CEMs shall demonstrate continuous compliance using either U.S. EPA or department certified CEMs.

(b) Boilers No. 1, 2, 3, and 4 and the associated baghouses have the following Compliance Monitoring Requirements:

(1) Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods. In the event of opacity exceeding twenty-five percent (25%), response steps will be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty-five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and adjustment of flue gas conditioning rate.

(2) Opacity readings in excess of twenty-five percent (25%) but not exceeding the opacity limit for the unit are 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.

These monitoring conditions are necessary to ensure compliance with 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations).

(3) The Permittee may request that the IDEM, OAQ approve a different opacity trigger level less than the one specified in (a) and (b) of this section, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

(4) The Permittee shall record the pressure drop across the baghouses at least once per day when the boilers, identified as Boiler No. 1, 2, 3, and 4, are in operation. When for any reading, the pressure drop across the baghouse(s) are outside the normal range of 1.25 to 15.0 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.

(5) The instrument used for determining the pressure shall comply with the Section C – Instrument Specifications, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

These monitoring conditions are necessary to ensure compliance with 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating).

(6) Whenever the automatic coal sampling system or the continuous emission monitoring system (CEMs) (whichever is being used for compliance monitoring) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

(A) If pursuant to 326 IAC 7-2-1(g), the CEM system is being used as the compliance method and the monitor is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified below for each calendar day until the CEM System is back in operation. The daily SO₂ rate determined using fuel sampling and analysis shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.1.3. Fuel sampling shall be conducted as specified in 326 IAC 3-7-2(a) or (b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326

IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.

- (B) If the automatic coal sampling system is used as the compliance method and the sampler is down for twenty-four (24) hours or more, the daily average SO₂ lbs/MMBtu shall be determined based on CEMS data or an alternative fuel sampling method pursuant to 326 IAC 3-7-3 (subpart A above). The daily SO₂ rate measured using by the CEM system or alternative fuel sampling method pursuant to 326 IAC 3-7-3, shall be used to demonstrate compliance with the 30 day rolling weighted average SO₂ lbs/MMBtu rate limit specified in condition D.1.3.

These monitoring conditions are necessary to ensure compliance with 326 IAC 5, 326 IAC 6, and 326 IAC 2-7 (Part 70).

- (7) Pursuant to 326 IAC 10-1-6, the Permittee shall comply with the following emissions monitoring requirements pertaining to NO_x:
- (A) NO_x continuous emissions monitors (CEMs) shall be installed (or maintained) on each boiler according to the requirements of 326 IAC 3.
- (B) The NO_x CEMs on the boilers (1 through 4) shall be certified according to procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (C) Operating and maintenance procedures contained in 326 IAC 3 and 40 CFR 75 as applicable.
- (D) Data recording and reporting procedures contained in 326 IAC 3 and 40 CFR 75 as applicable, except that for the purpose of the excess emissions reporting requirement in 326 IAC 3, the excess emissions reported shall be those emissions that exceed the applicable emissions limits in section 326 IAC 10-1-4.

Pneumatic fly ash transfer system

- (a) The pneumatic fly ash transfer system has the following Compliance Determination Requirements:
- (1) Compliance with the PM and PM₁₀ Minor limits for PSD (326 IAC 2-2) and Nonattainment NSR (326 IAC 2-1.1-5) shall be determined by a performance stack test conducted using methods as approved by the Commissioner. This testing shall be repeated every five (5) years following this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing. PM₁₀ includes filterable and condensable PM₁₀.
- (2) Compliance with PSD minor limits and 326 IAC 6-3-2, the separators and bin vent baghouse for particulate control shall be in operation and control emissions from the pneumatic fly ash transfer system from the boiler baghouses to the fly ash storage silo at all times that the associated process is in operation.
- (b) The pneumatic fly ash transfer system has the following Compliance Monitoring Requirements:
- (1) The pneumatic fly ash transfer from the boiler baghouses to the fly ash storage silo shall be subject to visible emissions notations as follows:
- (A) Visible emission notations of the truck loading and unloading stations shall be performed at least once per day during normal daylight operations when ash is being loaded and unloaded. A trained employee shall record whether any emissions are normal or abnormal.
- (B) Visible emission notations of the pneumatic fly ash conveyance shall be performed at

least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (C) Visible emission notations of the separators exhaust and the ash silo bin vent baghouse exhaust shall be performed at least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
 - (D) Visible emission notations of the dry spout shall be performed at least once per day during normal daylight operations when unloading ash through the dry spout. A trained employee shall record whether emissions are normal or abnormal.
 - (E) Visible emissions of the landfill area shall be performed at least once per day during normal daylight hours. A trained employee shall record whether emissions are normal or abnormal.
 - (F) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, 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.
 - (G) 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.
 - (H) 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.
 - (I) 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.
 - (J) If abnormal emissions are observed at any baghouse exhaust or the truck loading and unloading points, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. Observations of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions) or an applicable opacity limit 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.
- (2) The baghouse filter separators shall be subject to the baghouse parametric monitoring when the pneumatic fly ash system is in operation as follows:
- (A) The Permittee shall record the pressure drop across the baghouse filter separators at least once per day when the pneumatic fly ash system is in operation and pulling ash. The hourly average pressure drop, as recorded by the plant's data management system, shall be considered a valid hour if there are at least sixteen (16) consecutive minutes in the hour when the unit is in operation and pulling ash. When for any valid hourly average reading, the pressure drop across the baghouse filter separators is outside the normal range of 1.25 to 6 inches of water column for the separators 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.
 - (B) The instrument used for determining the pressure shall comply with the Section C – Instrument Specifications, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

Coal handling and storage

- (a) The coal handling and storage system has applicable Compliance Monitoring Requirements as specified below:
- (1) Visible emission notations of the coal storage and handling drop points, coal bunkers and scale exhausts, and associated dust collector vents shall be performed once per shift during normal daylight operations. A trained employee shall record whether any emissions are observed.
 - (2) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.
 - (3) 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.
 - (4) 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.
 - (5) If any emissions are observed from the coal storage and handling drop points, coal bunkers and scale exhausts, or associated dust collector vents, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. Visible emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions), 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) or an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

These monitoring requirements are necessary to ensure continuous compliance with 326 IAC 5-1 (Opacity Limitations), 326 IAC 6-4, and 326 IAC 2-7 (Part 70).

The following table serves to summarize the testing requirements for all emission units at this source:

Table 5: Summary of Testing Requirements					
Emission Unit(s)	Control Device	Timeframe for Testing	Pollutant	Frequency of Testing	Limit or Requirement
Boilers 1-4	Baghouses	2 yrs from last valid test	PM	2 years	326 IAC 6-2-3
Boilers 1-4	none	continuous	SO ₂	CEMs	326 IAC 7-2-1(c)
Boilers 1-4	none	continuous	NO _x	CEMs	326 IAC 10-1-5
pneumatic fly ash transfer system	bin vent filters / baghouse	5 yrs from last valid test	PM and PM ₁₀	5 years	326 IAC 2-2 and 326 IAC 2-1.1-5

Recommendation

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

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

An application for the purposes of this review was received on October 7, 2008. Additional information was received on March 12, 2009.

Conclusion

The operation of this stationary electric utility generating station shall be subject to the conditions of the attached proposed **Part 70 Permit No. T043-27078-00004**.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Patrick Coughlin
Duke Energy Indiana, Inc. – Gallagher Gen. Station
1000 E. Main St.
Plainfield IN 46168

DATE: Sept. 28, 2010

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

SUBJECT: Final Decision
Title V Renewal
043-27078-00004

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Randy Clark Plant Mgr. Duke Energy Indiana, Inc. – Gallagher Gen. Station
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Sept. 28, 2010

TO: New Albany Floyd Co. Public Library

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

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

Applicant Name: Duke Energy Indiana Inc.-Gallagher Gen. Station
Permit Number: 043-27078-00004

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	BMILLER 9/28/2010 Duke Energy Indiana, Inc. - Gallagher Generating Station 043-27078-00004 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Patrick Coughlin Duke Energy Indiana, Inc. - Gallagher Generating S c/o Patrick Coughlin, 1000 E Main St Plainfield IN 46168 (Source CAATS) Via Confirmed Delivery										
2		Randy L Clark Plant Mgr Duke Energy Indiana, Inc. - Gallagher Generating S 30 Jackson St New Albany IN 47150 (RO CAATS)										
3		Mr. Robert Bottom Paddlewheel Alliance P.O. Box 35531 Louisville KY 40232-5531 (Affected Party)										
4		Floyd County Commissioners 311-319 West 1st St, Rm 214 New Albany IN 47150 (Local Official)										
5		New Albany City Council and Mayors Office City County Building #316 New Albany IN 47150 (Local Official)										
6		New Albany Floyd Co Public Library 180 W Spring St New Albany IN 47150-3692 (Library)										
7		Floyd County Health Department 1917 Bono Rd New Albany IN 47150-4607 (Health Department)										
8		Mr. Arthur L. Williams Louisville Kentucky Air Pollution Control District 850 Barrett Avenue Louisville KY 40204-1745 (Affected State)										
9		Ms. Sue Green 1985 Kepley Road Georgetown IN 47122 (Affected Party)										
10		Ms. Michelle Stites 850 Barret Ave. Louisville KY 40204 (Affected Party)										
11												
12												
13												
14												
15												

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