



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: August 13, 2008

RE: Indianapolis Power and Light Eagle Valley Generating Station / 109-26608-00004

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot12/03/07



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August 13, 2008

Mr. Kyle Noah
IPL Eagle Valley Generating Station
4040 Blue Bluff Road
Martinsville, IN 46151

Re: 109-26608-00004
Significant Source Modification to
Part 70 Operating Permit No.: T 109-6569-
00004

Dear Mr. Kyle:

IPL Eagle Valley Generating Station was issued a Part 70 Operating Permit on September 7, 2004 for an electric utility generating station. A letter requesting changes to this permit was received on May 30, 2008. Pursuant to 326 IAC 2-7-10.5 the following emission units are approved for construction at the source:

- (a) One (1) pneumatic fly ash storage silo and handling system, to be constructed in 2008, with a maximum storage capacity of 300 tons and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse, and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to a stack, identified as Vacuum Blower Stack.
- (b) Truck traffic on paved road to and from the Silo.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13 17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.
6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions

This significant source modification authorizes construction of the new emission units. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12. Operation is not approved until the significant permit modification has been issued.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Josiah Balogun, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Josiah Balogun or extension (4-5257), or dial (317) 234-5257.

Sincerely,

Original document signed by

Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

JB

cc: File – Morgan County
Morgan County Health Department
U.S. EPA, Region V
Air Compliance Inspector
Compliance Data Section
Permits Administration and Development



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PART 70 SIGNIFICANT SOURCE MODIFICATION OFFICE OF AIR QUALITY

Indianapolis Power and Light (IPL) Eagle Valley Generating Station (formerly H. T. Pritchard Generating Station) 4040 Blue Bluff Road Martinsville, Indiana 46151

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

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

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

Significant Source Modification No.: T109-26608-00004	
Issued by: <i>Original document signed by</i> Tripurari P. Sinha, Ph.D., Section Chief Permit Branch Office of Air Quality	Issuance Date: August 13, 2008



TABLE OF CONTENTS

A SOURCE SUMMARY

- 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

- 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]
- B.3 Term of Conditions [326 IAC 2-1.1-9.5]
- B.4 Enforceability [326 IAC 2-7-7]
- B.5 Severability [326 IAC 2-7-5(5)]
- B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
- B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
- B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]
- B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
- B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]
- B.11 Emergency Provisions [326 IAC 2-7-16]
- B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]
- B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]
- B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]
- B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]
- B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]
- B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4]
- B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12] [40 CFR 72]
- B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]
- B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]
- B.21 Source Modification [326 IAC 1-2-42] [326 IAC 2-7-10.5]

- B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]
- B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
- B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]
- B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314]

C SOURCE OPERATION CONDITIONS

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 [40 CFR 52 Subpart P] [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 Motor Vehicle Fugitive Dust Sources [326 IAC 6-4-4]
- C.7 Stack Height [326 IAC 1-7]
- C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

- C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
- C.12 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]
- C.13 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)]
- C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]
- C.15 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.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.17 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
- C.18 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
- C.19 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.20 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.21 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]
- C.22 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

Stratospheric Ozone Protection

C.23 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS - Oil-Fired Boilers

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

- D.1.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-2]
- D.1.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]
- D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-11]

Compliance Determination Requirements

- D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.1.5 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3-7-4] [326 IAC 7-4-11]
- D.1.6 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)] [40 CFR 75]

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

D.1.7 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.1.8 Record Keeping Requirements
- D.1.9 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Coal-Fired Boilers

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

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

- D.2.2 Temporary Alternative Opacity Limitations [326 IAC 5-1-3]
- D.2.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-11]

Compliance Determination Requirements

- D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.2.5 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]
- D.2.6 Continuous Emissions Monitoring [326 IAC 3-5]
- D.2.7 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-11]
- D.2.8 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)][326 IAC 10-4-12(b) and (c)] [40 CFR 75]

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

- D.2.9 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]⁴
- D.2.10 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.2.11 SO₂ Monitor Downtime [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

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

- D.2.12 Record Keeping Requirements
- D.2.13 Reporting Requirements

D.3 FACILITY OPERATION CONDITIONS - Oil-Fired Generator

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

- D.3.1 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-2]

Compliance Determination Requirements

- D.3.2 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3-7-4] [326 IAC 7-1.1-2]

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

- D.3.3 Record Keeping Requirements
- D.3.4 Reporting Requirements

D.4 FACILITY OPERATION CONDITIONS - Coal Handling

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

- D.4.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

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

- D.4.2 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.4.3 Record Keeping Requirements

D.5 FACILITY OPERATION CONDITIONS - Fly Ash Storage and Handling

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

- D.5.1 PSD Minor Limits [326 IAC 2-2]
- D.5.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]
- D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.5.4 Particulate Matter (PM)
- D.5.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

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

Permit Reviewer: Vickie Cordell

- D.5.6 Visible Emission Notations
- D.5.7 Parametric Monitoring
- D.5.8 Broken or Failed bag Detection

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

- D.5.9 Record Keeping Requirements

D.6 FACILITY OPERATION CONDITIONS - Ash Handling

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

- D.6.1 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.6.2 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.6.3 Record Keeping Requirements

E ACID RAIN PROGRAM CONDITIONS

- E.1 Acid Rain Permit [326 IAC 2-7-5(1)(C)] [326 IAC 21] [40 CFR 72 through 40 CFR 78]
- E.2 Title IV Emissions Allowances [326 IAC 2-7-5(4)] [326 IAC 21]

F Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget Units Under 326 IAC 10-4-1(a)

- F.1 Automatic Incorporation of Definitions [326 IAC 10-4-7(e)]
- F.2 Standard Permit Requirements [326 IAC 10-4-4(a)]
- F.3 Monitoring Requirements [326 IAC 10-4-4(b)]
- F.4 Nitrogen Oxides Requirements [326 IAC 10-4-4(c)]
- F.5 Excess Emissions Requirements [326 IAC 10-4-4(d)]
- F.6 Record Keeping Requirements [326 IAC 10-4-4(e)] [326 IAC 2-7-5(3)]
- F.7 Reporting Requirements [326 IAC 10-4-4(e)]
- F.8 Liability [326 IAC 10-4-4(f)]
- F.9 Effect on Other Authorities [326 IAC 10-4-4(g)]

Certification

Emergency Occurrence Report

Quarterly Report

Quarterly Deviation and Compliance Monitoring Report

Appendix A: Acid Rain Permit

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.

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

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

Source Address: 4040 Blue Bluff Road, Martinsville, Indiana, 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, Indiana, 46151
Source Telephone: 765-349-3413
SIC Code: 4911
County Location: Morgan
County Status: Nonattainment for PM2.5
Attainment for all other criteria pollutants
Source Status: Part 70 Operating Permit Program
Major Source, under PSD Rules and Nonattainment NSR;
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) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 4 is equipped with separated overfire air (SOFA) and low NO_x burners (LNB) for control of NO_x emissions, which were voluntarily installed and are not required to operate. Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. Unit 5 is equipped with SOFA and LNB for control of NO_x emissions, which were voluntarily installed and are not required to operate. Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. Unit 6 is equipped with SOFA for control of NO_x emissions, which was voluntarily installed and is not required to operate. Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (f) One (1) distillate oil fired generator, identified as Unit PR-10, constructed in 1967, with a design heat input capacity of 28.4 million Btu per hour (MMBtu/hr), exhausting to stack PR10-1.
- (g) Coal transfer facilities, with a maximum throughput of 800 tons per hour, with a dust suppression system.
- (h) Rail car unloading, coal pile unloading, and coal storage, with a maximum capacity of 800 tons per hour.
- (i) Coal crushers, identified as 1A and 1B, with a maximum combined capacity of 800 tons per hour, each using an enclosure for dust control.
- (j) One (1) pneumatic fly ash storage silo and handling system, to be constructed in 2008, with a maximum storage capacity of 300 tons and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse, and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to a stack, identified as Vacuum Blower Stack.

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) Coal bunker and coal scale exhausts. [326 IAC 6-3] [326 IAC 5]
- (b) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO₂ 5 pounds per hour or 25 pounds per day, NO_x 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM₁₀ 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:
 - (1) Wet process ash handling, with hydroveyors conveying ash to storage ponds. [326 IAC 6-4]
 - (2) Poned ash handling/removal operations. [326 IAC 6-4]
 - (3) Truck traffic on paved road to and from the Silo. [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]

- (a) This permit T109-6569-00004 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]

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. 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.
- (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) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification can 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 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; 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).
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "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) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) for the source as described in 326 IAC 1-6-3. At a minimum, the PMP shall include:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 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, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865.
 - (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ 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.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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]

- (a) All terms and conditions of permits established prior to T109-6569-00004 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 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

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

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

- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 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
Permits Branch, Office of Air Quality
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

and

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

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

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.

B.21 Source Modification [326 IAC 1-2-42] [326 IAC 2-7-10.5]

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

Permit Reviewer: Vickie Cordell

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any 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 5-1-3 (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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

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 therefrom 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.

C.7 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.8 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.9 Performance Testing [326 IAC 3-6]

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

C.12 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 COM shall be in operation at all times that the induced draft fan is in operation.
- (b) All continuous opacity monitoring systems 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 continuous opacity monitoring system occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) Whenever a COM is malfunctioning or down for repairs or adjustments for twenty-four (24) hours or more and a backup COM cannot be brought on-line, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the opacity 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 later than twenty-four hours after the start of the malfunction or down time; provided, however, that if such 24-hour period ends during the period beginning two (2) hours before sunset and ending two (2) hours after sunrise, then such visible emissions readings shall begin within four (4) hours of sunrise on the day following the expiration of such 24-hour period.
 - (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 COM 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.

C.13 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.
- (b) All continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other performance specification, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

- (c) IN the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for maintenance or repairs, the following shall be used as an alternative to continuous data collection
 - (1) If the CEM is required for monitoring NO_x or SO₂ emissions pursuant to 40 CFR 75 (Title IV Acid Rain program) or 326 IAC 10-4 (NO_x Budget Trading Program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D - Missing Data Substitution Procedures.
 - (2) IF the CEM is not used to monitor NO_x or SO₂ emissions pursuant to 40 CFR 75 or 326 IAC 10-4, then supplemental or intermittent monitoring of the parameter shall be implemented as specified in Section D of this permit until such time as the emission monitor system is back in operation.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 326 IAC 10-4, 40 CFR 60 or 40 CFR 75.

C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.15 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.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

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

within ninety (90) days after the date of issuance of this permit.

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

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

C.17 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.18 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:

- (1) monitoring data;
- (2) monitor performance data, if applicable; and
- (3) corrective actions taken.

C.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

C.20 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 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 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

C.21 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 (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.22 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]
[326 IAC 2-3]

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

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

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

Stratospheric Ozone Protection

C.23 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) Two (2) no. 2 fuel oil-fired boilers, identified as Unit 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.

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

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

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

- (a) Pursuant to 326 IAC 6-2-2(a) (Particulate Emissions Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(b)), the PM emissions from Units 1, 2, 3, 4, 5, and 6 shall not exceed 0.23 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{0.87}{Q^{0.16}} \quad \text{Where } Q = \text{total source capacity (MMBtu/hr) on June 8, 1972} \\ = 4,071 \text{ MMBtu/hr}$$

- (b) Pursuant to 326 IAC 6-2-2(b), the PM emissions from Units 1 and 2 shall not exceed 0.015 pound per million Btu heat input (lb/MMBtu), as requested by the source in a letter dated April 12, 1988.

Pursuant to 326 IAC 6-2-2(b), the particulate emissions from all of the facilities which were in existence on June 8, 1972, may be allocated in any way among these facilities provided that they will not result in a significantly greater air quality impact level at any receptor than that which would result if the particulate emissions from each of these facilities were limited to Pt; and provided that the emission limitations for each facility are specified in its operation permit.

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

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies to Eagle Valley Units 1 and 2:
- (1) When starting a fire in a boiler, or shutting down a boiler, opacity may exceed the forty percent (40%) opacity limit established in 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 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 in excess of the limit set in 326 IAC 5-1-2 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 this facility cannot meet the opacity limitations in (a)(1) and (a)(2) of this condition, 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 7-4-11]

Pursuant to 326 IAC 7-4-11 (Morgan County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Unit 1 and Unit 2 shall not exceed 0.37 pounds per million Btu (lbs/MMBtu) each. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated using a calendar month average.

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [326 IAC 3-6]

- (a) Within one (1) year of issuance of this permit, compliance with the particulate limitations in Condition D.1.1(b) and with the Opacity limits in Section C - Opacity and Temporary Alternative Opacity Limitations for startup shall be determined as follows:
- (1) Compliance with the particulate limitations shall be determined by a performance stack test conducted utilizing methods as approved by the Commissioner. PM testing with both units operating and exhausting to the common stack is permitted. [326 IAC 3-6]
 - (2) To determine compliance with Section C - Opacity, visible emissions (VE) evaluations shall be performed in conjunction with the particulate emissions testing in accordance with 40 CFR 60, Appendix A, Method 9. The VE readings shall be recorded for the full duration of the sampling time for each sampling repetition that occurs during daylight hours. [326 IAC 3-5-1(c)(2)(A)(ii)] [326 IAC 5-1-4(a)(1)]
 - (3) To demonstrate compliance with the Temporary Alternative Opacity Limitation for boiler startups, visible emissions (VE) evaluations shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, during daylight hours of the startup from light-off to completion of start-up. [326 IAC 3-5-1(c)(2)(A)(ii)] [326 IAC 5-1-4(a)(1)]
- (b) The PM stack testing and Method 9 opacity readings shall be repeated as follows:
- (1) By December 31 of every second calendar year following this valid compliance demonstration; or
 - (2) If a unit is not operated at least 1,000 hours in the 2 years since the previous stack test, then testing shall be repeated at least once every 1,000 hours of operation for that unit, or five (5) calendar years from the date of the last valid compliance demonstration, whichever occurs first.

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.

D.1.5 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-11]

Compliance shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, 326 IAC 7-2, and 326 IAC 7-4-11, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed the equivalent of 0.37 pounds per MMBtu each, using a calendar month average, by:
- (1) Providing vendor analysis of fuel delivered, accompanied by a vendor certification; or
 - (2) Providing analysis of fuel oil samples collected and analyzed in accordance with 326 IAC 3-7-4(a).

- (A) Oil samples shall be collected from the tanker truck load during or prior to transferring fuel to the storage tank; or
 - (B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.
- (b) Upon written notification to IDEM by a facility owner or operator, 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.1.6 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)] [40 CFR 75]

The Permittee has met the monitoring requirements of 326 IAC 10-4-12(b)(1) through (b)(3) that are applicable to their monitoring systems for the NO_x budget units. The Permittee shall record, report, and quality assure the data from the monitoring systems in accordance with 326 IAC 10-4-12 and 40 CFR 75.

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

D.1.7 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the fuel oil-fired boiler exhaust shall be performed once per day during normal daylight operations when one or both of Units 1 and 2 are in operation and burning fuel oil. 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 at any boiler exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of abnormal emissions that do not violate 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.

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

D.1.8 Record Keeping Requirements [326 IAC 2-7-5(3)]

- (a) To document compliance with the applicable opacity limits and Conditions D.1.1 and D.1.2, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the opacity and particulate limits established in Section C - Opacity and Conditions D.1.1 and D.1.2.
 - (1) Data and results from the most recent stack test and accompanying Method 9 visible emissions evaluation results for Units 1 and 2.
 - (2) Results of the visible emission notations of the stack 1-1 exhaust.

- (b) To document compliance with Conditions D.1.3 and D.1.7, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained shall be complete and sufficient to establish compliance with the SO₂ limit as required in Conditions D.1.3 and D.1.7.
 - (1) Calendar dates covered in the compliance determination period.
 - (2) Monthly weighted average sulfur content.
 - (3) Fuel heat content.
 - (4) Fuel consumption.
 - (5) Monthly weighted average sulfur dioxide emission rate in pounds per million Btus (lb/MMBtu).
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain daily records of the visible emission notations of the Boiler stack exhaust. The Permittee shall include in its daily 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).
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 7-2(c)]

A quarterly report of opacity exceedances and a quarterly summary of the information to document compliance with Condition D.1.3 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. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 4 is equipped with SOFA and LNB to control NO_x emissions. Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. Unit 5 is equipped with SOFA and LNB to control NO_x emissions. Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. Unit 6 is equipped with SOFA to control NO_x emissions. Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

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

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

- (a) Pursuant to 326 IAC 6-2-2 (Particulate Emissions for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(b)), the PM emissions from Units 1, 2, 3, 4, 5, and 6 shall not exceed 0.23 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{0.87}{Q^{0.16}} \quad \text{Where } Q = \begin{array}{l} \text{total source capacity (MMBtu/hr) on June 8, 1972} \\ = 4,071 \text{ MMBtu/hr} \end{array}$$

- (b) Pursuant to 326 IAC 6-2-2(b), the PM emissions from Units 3, 4, 5 and 6 shall not exceed 0.27 pound per million Btu heat input (lb/MMBtu), as requested by Indianapolis Power and Light Company in a letter dated April 12, 1988.

Pursuant to 326 IAC 6-2-2(b), the particulate emissions from all of the facilities which were in existence on June 8, 1972, may be allocated in any way among these facilities provided that they will not result in a significantly greater air quality impact level at any receptor than that which would result if the particulate emissions from each of these facilities were limited to Pt; and provided that the emission limitations for each facility are specified in its operation permit.

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

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies:
- (1) 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 two and one-half (2.5) hours (twenty-five (25) six (6)-minute averaging periods) or until the flue gas temperature reaches two hundred fifty (250) degrees Fahrenheit, whichever occurs first. [326 IAC 5-1-3(e)]
 - (2) 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 (1) hour (ten (10) six (6)-minute averaging periods). [326 IAC 5-1-3(e)]
 - (3) Operation of the electrostatic precipitator is not required during these times.
 - (4) During the above startup and shutdown periods all reasonable efforts shall be made to minimize the number and magnitude of the exceedances.
- (b) 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 in excess of the limit set in 326 IAC 5-1-2 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)]

D.2.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-11]

Pursuant to 326 IAC 7-4-11 (Sulfur Dioxide Emission Limitations for Morgan County):

- (a) SO₂ emissions from Unit 3 shall not exceed 0.37 pounds per million Btu (lbs/MMBtu). compliance with which shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average. [326 IAC 7-4-11(2)]
- (b) SO₂ emissions from Units 4, 5, and 6 shall not exceed 3.04 pounds per million Btu (lbs/MMBtu) each, compliance with which shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average. [326 IAC 7-4-11(2)]
- (c) As an exception to the emission limitations specified in (a) and (b), pursuant to 326 IAC 7-4-11(7), at any time in which IPL burns coal on Unit 3, the thirty (30) day rolling weighted average for sulfur dioxide emissions from Units 3, 4, 5, and 6 shall be limited to two and fifty-seven hundredths (2.57) pounds per million Btu each. [326 IAC 7-4-11(3)]

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to determine compliance with the PM limitation in Condition D.2.1(b) for each units (Units 3, 4, 5 and 6), the Permittee shall conduct before December 31, 2009 a performance stack test utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two (2) years following this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.5 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitators (ESPs) shall be operated at all times that the boilers vented to the ESPs are in operation. Each flue gas conditioning (FGC) system on Unit 3, Unit 4 and Unit 5 shall be used with the corresponding ESP as necessary to maintain compliance with this permit.

D.2.6 Continuous Emissions Monitoring [326 IAC 3-5]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous emission monitoring systems for Units 3, 4, 5 and 6 shall be calibrated, maintained, and operated for measuring opacity, SO₂, and either CO₂ or O₂, which meet the performance specifications of 326 IAC 3-5-2.
- (b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (c) Pursuant to 326 IAC 3-5-4, if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 326 IAC 10-4, or 40 CFR 75.
- (e) 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.2.7 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-11]

- (a) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data obtained in accordance with procedures specified under 326 IAC 3-7 may be used to demonstrate compliance as follows:
 - (1) Pursuant to 326 IAC 7-4-11(6), on a day for which Unit 3 does not burn any coal, compliance with the sulfur dioxide emission limitations in 326 IAC 7-4-11(2) shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average.
 - (2) Pursuant to 326 IAC 7-4-11(7), on a day for which Unit 3 burns any coal, if the thirty (30) day rolling weighted average for any unit is above two and fifty-seven hundredths (2.57) pounds per million Btu, then 326 IAC 7-2-1(c)(1) does not apply, and the daily average emission rate for that unit for that day shall not exceed two and fifty-seven hundredths (2.57) pounds per million Btu.

In the alternative, SO₂ emissions may be determined by use of CEM in lieu of any other method prescribed herein.

- (b) Pursuant to 326 IAC 7-4-11(8), for the purposes of determining compliance under 326 IAC 7-2-1(b), stack tests performed on Units 3, 4, 5, and 6 shall demonstrate compliance with the most stringent set of limits in effect at any time during the day prior to or during the test based on the Unit 3 operating status and fuel type as indicated by the log maintained pursuant to 326 IAC 7-4-11(9).

D.2.8 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)] [40 CFR 75]

The Permittee has met the monitoring requirements of 326 IAC 10-4-12(b)(1) through (b)(3) that are applicable to their monitoring systems for the NO_x budget units. The Permittee shall record, report, and quality assure the data from the monitoring systems in accordance with 326 IAC 10-4-12 and 40 CFR 75.

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

D.2.9 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

-
- (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 Exceedances or Excursions whenever the percentage of T-R sets in service falls below 90 percent. T-R set failure resulting in less than 90 percent availability is not a deviation from this permit. Failure to take response steps in accordance with Section C- Response to Exceedances or Excursions shall be considered a deviation from this permit.

D.2.10 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

-
- (a) In the event of emissions exceeding thirty percent (30%) average opacity for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken in accordance with Section C - Response to Exceedances or Excursions such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below thirty percent (30%). Examples of expected response steps include, but are not limited to, boiler loads being reduced, adjustment of flue gas conditioning rate, and ESP T-R sets being returned to service.
 - (b) Opacity readings in excess of thirty percent (30%) 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 Exceedances or Excursions, shall be considered a deviation from this permit.

D.2.11 SO₂ Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

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- (a) Whenever the SO₂ continuous emission monitoring (CEM) system is malfunctioning or down for repairs or adjustments and a backup CEM is not brought on-line, the following shall be used to provide information related to SO₂ emissions:
 - (1) If the CEM system is down for less than twenty-four (24) hours and a backup CEM is not brought on-line, 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 and a backup CEM is not brought on-line, the Permittee shall either:
 - (A) Conduct fuel sampling as specified in 326 IAC 3-7-2(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: or

- (B) Comply with the relevant requirements of 40 CFR Part 75. Subpart D - Missing Data Substitution Procedures

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

D.2.12 Record Keeping Requirements

- (a) To document compliance with the applicable opacity and particulate limits and Conditions D.2.1, D.2.2, D.2.8, 2.12 and D.2.13, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the opacity and particulate limits 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 visible emission (VE) notations and Method 9 visible emission readings taken during any periods of COM downtime.
 - (4) All ESP parametric monitoring readings.
- (b) To document compliance with SO₂ Conditions D.2.3, D.2.8, D.2.9, 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.2.9. The Permittee shall maintain records in accordance with (2) and (3) or (4) below during SO₂ CEM system downtime.
- (1) All SO₂ continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(g).
 - (2) All fuel sampling and analysis data collected for SO₂ CEM downtime, in accordance with Condition D.2.14.
 - (3) Calculated actual fuel usage during each SO₂ CEM downtime for the Unit(s) affected by CEM downtime lasting 24 or more hours.
 - (4) The substitute data used for the missing data periods if data substitution pursuant to 40 CFR Part 75 Subpart D is used to provide data for the SO₂ CEM downtime, in accordance with Condition D.2.14.
- (c) Pursuant to 326 IAC 7-4-11(9), the Permittee shall maintain and make available to the department upon request a log of the operating status and fuel type used for Unit 3. In addition, in the quarterly report required by 326 IAC 7-2-1(a), the Permittee shall submit to the department a daily summary indicating fuel type for Unit 3, and, for days on which Unit 3 burned any coal and any thirty (30) day rolling weighted average was greater than two and fifty-seven hundredths (2.57) pounds per million Btu, the Permittee shall submit to the department the daily average sulfur content, heat content, and sulfur dioxide emission rate for Units 3, 4, 5, and 6.

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

D.2.13 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 3-5-7] [326 IAC 7-2(c)]

- (a) A quarterly report of opacity exceedances and a quarterly summary of the information to document compliance with Condition D.2.3 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. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) Pursuant to 326 IAC 3-5-7(5), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, 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 certification by the "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)]

- (f) One (1) distillate oil fired generator, identified as Unit PR-10, constructed in 1967, with a design heat input capacity of 28.4 million Btu per hour (MMBtu/hr), exhausting to stack PR10-1.

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

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

D.3.1 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO₂ emissions from Unit PR-10 shall not exceed 0.5 pound per million Btu (lb/MMBtu).

Compliance Determination Requirements

D.3.2 Sulfur Dioxide Emissions and Sulfur Content] [326 IAC 7-1.1-2] [326 IAC 7-2]

Pursuant to 326 IAC 3-7-4, 326 IAC 7-1.1-2, and 326 IAC 7-2, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed the equivalent of 0.5 lb/MMBtu, using a calendar month average, by:

- (a) Providing vendor analysis of fuel delivered, accompanied by a vendor certification; or
- (b) Providing analysis of fuel oil samples collected and analyzed in accordance with 326 IAC 3-7-4(a).
 - (1) Oil samples shall be collected from the tanker truck load during or prior to transferring fuel to the storage tank; or
 - (2) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.

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

D.3.3 Record Keeping Requirements

- (a) To document compliance with Condition D.3.1 and D.3.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained shall be complete and sufficient to establish compliance with the SO₂ limit as required in Condition D.3.1 and D.3.2.
 - (1) Calendar dates covered in the compliance determination period.
 - (2) Monthly weighted average sulfur content.
 - (3) Fuel heat content.
 - (4) Fuel consumption.
 - (5) Monthly weighted average sulfur dioxide emission rate in pounds per million Btus (lb/MMBtu).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.4 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 7-2(c)]

A quarterly summary of the information to document compliance with Condition D.3.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "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)]

- (g) Coal transfer facilities, with a maximum throughput of 800 tons per hour, with a dust suppression system.
- (h) Rail car unloading, coal pile unloading, and coal storage, with a maximum capacity of 800 tons per hour.
- (i) Coal crushers, identified as 1A and 1B, with a maximum combined capacity of 800 tons per hour, each using an enclosure for dust control.

Insignificant Activities:

Coal bunker and coal scale exhausts.

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

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

D.4.1 Particulate Emission Limitations for Manufacturing Processes [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 processing drop points and the particulate emission rate from the coal crushers shall not exceed amounts 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:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour.}$$

- (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:

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

- (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.

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

D.4.2 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of any coal transfer exhaust points shall be performed once per week during normal daylight operations when transferring coal. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the rail car unloading shall be performed once per week during normal daylight operations when unloading coal. A trained employee shall record whether emissions are normal or abnormal.

- (c) Visible emission notations of the coal crusher stack exhaust shall be performed once per week during normal daylight operations when the crusher is in operation. A trained employee shall record whether emissions are normal or abnormal.
- (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.
- (g) If abnormal emissions are observed at a transfer point exhaust or crusher exhaust or from the coal unloading, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.3 Record Keeping Requirements

- (a) To document compliance with Condition D.4.2, the Permittee shall maintain daily records of the visible emission notations of the rail car unloading, crusher and coal transfer exhaust. The Permittee shall include in its daily 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) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5

FACILITY OPERATION CONDITIONS

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

- (j) One (1) pneumatic fly ash storage and handling system, to be constructed in 208, with a maximum storage capacity of 300 ton and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to stack, identified as Vacuum Blower Stack.

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

The Permittee shall comply with the following:

- (a) The combined PM emissions from the fly ash conveyance and Silo storage shall not exceed 3.9 pounds per hour.
- (b) The combined PM₁₀ emissions from the fly ash conveyance and Silo storage shall not exceed 2.9 pounds per hour.

Compliance with these limits in combination with other emission units will limit the PM and PM₁₀ emissions from the fly ash storage and handling system (Fly Ash Conveyance and Silo Storage) to less than 25 and 15 tons per year, respectively and render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the fly ash storage and handling system.

D.5.2 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 Fly Ash Conveyance and Silo Storage (fly ash storage and handling system) shall not exceed 19.2 pounds per hour, each, when operating at a process weight rate of 10 tons per hour, each. 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 was determined 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

Compliance Determination Requirements

D.5.3 Particulate Matter (PM)

- (a) In order to comply with Conditions D.5.1 and D.5.2, the baghouse and fly ash collector shall be in operation at all times when the fly ash storage and handling is in operation.

- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also included the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.5.4 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-1.1-11]

Within 180 days after initial startup of the fly ash handling and storage system, in order to demonstrate compliance with Conditions D.5.1 and D.5.2, the Permittee shall perform PM/PM10 testing on baghouse and the dust collector controlling the fly ash storage and handling system utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.5.5 Visible Emissions Notations

- (a) Visible emission notations of the fly ash storage and handling stack exhausts shall be performed once per week during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.5.6 Parametric Monitoring

The Permittee shall record the pressure drop across the fly ash storage and handling baghouse and dust collector used in conjunction with the fly ash storage and handling at least once per day when the fly ash storage and handling is in operation. When for any one reading, the pressure drop across the baghouse or the fly ash collector is outside the normal range of 1.0 and 10.0 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. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with condition C.14 - Instrument Specifications, be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.5.7 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit.

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

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

D.5.8 Record Keeping Requirements

- (a) To document compliance with Condition D.5.5 - Visible Emission Notation, the Permittee shall maintain weekly records of the visible emission notations of the fly ash storage and handling stack exhaust. 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 week).
- (b) To document compliance with Condition D.5.6 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse and fly ash collector controlling the fly ash storage and handling. 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.

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

- (1) Wet process ash handling, with hydroveyors conveying ash to storage ponds.
- (2) Poned ash handling/removal operations.
- (3) Truck traffic on paved road to and from the Silo.

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

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

D.6.1 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 deviation from 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.

Adverse weather conditions do not relieve a source from taking all reasonable measures to mitigate fugitive dust formation and transport. Failure to take reasonable measures during this period may be considered to be a deviation from this permit.

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

D.6.2 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the fly 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) 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 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.

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

D.6.3 Record Keeping Requirements

- (a) To document compliance with Condition D.6.2, the Permittee shall maintain daily records of the visible emission notations of the fly ash storage pond area(s) exhaust. The Permittee shall include in its daily 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) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION E

TITLE IV CONDITIONS

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

- (a) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 4 is equipped with SOFA and LNB to control NO_x emissions. Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. Unit 5 is equipped with SOFA and LNB to control NO_x emissions. Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. Unit 6 is equipped with SOFA to control NO_x emissions. Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

Acid Rain Program

E.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 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 Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget Units Under 326 IAC 10-4-1(a)

ORIS Code: 991

NO_x Budget Source [326 IAC 2-7-5(15)]

- (a) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 4 is equipped with SOFA and LNB to control NO_x emissions. Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. Unit 5 is equipped with SOFA and LNB to control NO_x emissions. Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. Unit 6 is equipped with SOFA to control NO_x emissions. Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

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 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 are: Boiler units 1, 2, 3, 4, 5, and 6.

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 owner 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 boiler'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) 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.
- (d) A NO_x allowance shall not be deducted, in order to comply with the requirements under (a) above and 326 IAC 10-4-4(c)(1), for an ozone control period in a year prior to the year for which the NO_x allowance was allocated.
- (e) 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.
- (f) A NO_x allowance allocated under the NO_x budget trading program does not constitute a property right.

- (g) 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 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 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 10-4-4(e) and 326 IAC 10-4-6(e)(1), 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:

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN Room 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 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 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.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Part 70 Permit No.: T109-6569-00004

**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 BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Part 70 Permit No.: T109-6569-00004

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), 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, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Telephone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Part 70 Permit No.: T109-6569-00004
Facility: Unit PR-10 distillate oil-fired generator
Parameter: SO₂ emissions
Limit: shall not exceed 0.5 pound per million Btu (lb/MMBtu),
demonstrated using a 30 day rolling weighted average

YEAR: _____

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Telephone: _____

Attach a signed certification to complete this report.

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

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

Source Name: Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, IN 46151
Part 70 Permit No.: T109-6569-00004

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By: _____

Title/Position: _____

Date: _____

Telephone: _____

Attach a signed certification to complete this report.

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

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

Source Description and Location

Source Name:	Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Location:	4040 Blue Bluff Road, Martinsville, Indiana 46151
County:	Morgan
SIC Code:	4911
Operation Permit No.:	T 109-6569-00004
Operation Permit Issuance Date:	September 7, 2004
Significant Source Modification No.:	109-26608-00004
Significant Permit Modification No.:	109-26612-00004
Permit Reviewer:	Josiah Balogun

Public Notice Information

On July 10, 2008, the Office of Air Quality (OAQ) had a notice published in The Martinsville Daily Reporter in Martinsville, Indiana, stating that Indianapolis Power and Light (IPL) Eagle Valley Generating Station had applied for a Significant Modification to their Part 70 Operating Permit issued on September 7, 2004 to the construction of a fly ash storage and handling system. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments Received

On August 4, 2008, OAQ received comments from Angelique Olinger of the Indianapolis Power and Light (IPL) Eagle Valley Generating Station. The comments are summarized in the subsequent pages, with IDEM's corresponding responses.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflects the permit that was on public notice. Changes that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result, ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The summary of the comments and IDEM, OAQ responses, including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

Comment 1: As stated in Condition B.12 (Permit Shield), 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. Additionally, 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.

The proposed change to part (b) of Condition B.13 (Prior Permits Superseded) is contradictory to the Permit Shield by indicating that terms and conditions of previous permits which are not "accurately reflected" in the current permit are not superseded by the current permit. Whether a Condition is "accurately reflected" in a permit may be open to interpretation. The Permit Shield is intended to provide protection to the Permittee from this type of interpretation after the permit has been issued.

Please revise as follows:

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

- (a) All terms and conditions of permits established prior to T109-6569-00004 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~~ **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).

Response 1: The language "Provided that all terms and conditions are accurately reflected in this permit all" was incorporated into the Permit in 2005 at the instance of EPA with out which the condition will not be approved. Therefore, IDEM, OAQ will not revise Condition B.13 - Prior Permit Superseded.

Comment 2: Please do not revise the deadline for stack testing in Condition D.2.4. As currently written, the permit requires testing by December 2009. This test date should not be arbitrarily moved to October 2009. Please revise the Condition as follows:

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to determine compliance with the PM limitation in Condition D.2.1(b) for each units (Units

3, 4, 5 and 6), the Permittee shall conduct before ~~October~~ **December 31, 2009** a performance stack test utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two (2) years following this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Response 2: IDEM agrees and Condition D.2.4 - Testing Requirements has been revised accordingly.

Comment 3: Please add the nonapplicability of 326 IAC 6-5 under the Permit Shield as follows:

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

(a) ...

(b) **In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determination regarding this source:**

IPL Eagle Valley Generating Station is not a new source of fugitive dust. Therefore, the requirements of 326 IAC 6-5 (Fugitive Particulate Matter Limitations) do not apply to this source.

Response 3: IDEM, OAQ has determined the nonapplicability portion of 326 IAC 6-5 in the TSD. Therefore, the nonapplicability portion of 326 IAC 6-5 will not be included in Section B.12 of the permit

Comment 4: At this time, IPL requests the reallocations of particulate emissions. To support this request, please see Attachments to this letter, which include Review Request 109-23896-00004, and overall limit calculations. Please revise Condition D.1.1(b) as follows:

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

...

(b) Pursuant to 326 IAC 6-2-2(b), the PM emissions from Units 1 and 2 shall not exceed ~~0.045~~ **0.10** pound per million Btu heat input (lb/MMBtu), ~~as requested by the source in a letter dated April 12, 1988.~~

Pursuant to 326 IAC 6-2-2(b), the particulate emissions from all of the facilities which were in existence on June 8, 1972, may be allocated in any way among these facilities provided that they will not result in a significantly greater air quality impact level at any receptor than that which would result if the particulate emissions from each of these facilities were limited to Pt; and provided that the emission limitations for each facility are specified in its operation permit.

Response 4: IDEM agrees that, the revision to Condition D.1.1 will be incorporated into the permit renewal T109-26292-00004.

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

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

Source Description and Location

Source Name:	Indianapolis Power and Light (IPL) Eagle Valley Generating Station
Source Location:	4040 Blue Bluff Road, Martinsville, Indiana 46151
County:	Morgan
SIC Code:	4911
Operation Permit No.:	T 109-6569-00004
Operation Permit Issuance Date:	September 7, 2004
Significant Source Modification No.:	109-26608-00004
Significant Permit Modification No.:	109-26612-00004
Permit Reviewer:	Josiah Balogun

Existing Approvals

The source was issued Part 70 Operating Permit No. T109-6569-00004 on September 7, 2004. The source has since received the following approvals:

- (a) Significant Permit Modification No. 109-17040-00004, issued on September 22, 2006; and
- (b) Review Request No. 109-23896-00004, issued on February 6, 2007.

County Attainment Status

The source is located in Morgan County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective October 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.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM2.5.	

- (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, St. Joseph 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, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
 - (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Morgan County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Morgan County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5.
- (c) **Other Criteria Pollutants**
 Morgan County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) **Fugitive Emissions**
 Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

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

Pollutant	Emissions (tons/year)
PM	greater than 100
PM10	greater than 100
SO ₂	greater than 100
VOC	less than 100
CO	greater than 100
NO _x	greater than 100

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

- (b) This existing source is a major stationary source, under nonattainment new source review rules (326 IAC 2-1.1-5) since PM10 (a surrogate for PM2.5) is emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon Part 70 Operating Permit No. T109-6569-00004, issued on September 7, 2004.

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

HAPs	Potential To Emit (tons/year)
Single HAP	greater than 10
Total HAPs	greater than 25

This existing source is a major source of HAPs, as defined in 40 CFR 63.41, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Indianapolis Power and Light (IPL) Eagle Valley Generating Station on May 29, 2008, relating to the construction of a fly ash storage and handling system. The following is a list of the proposed emission unit and pollution control device(s):

- (a) One (1) pneumatic fly ash storage silo and handling system, to be constructed in 2008, with a maximum storage capacity of 300 tons and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse, and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to a stack, identified as Vacuum Blower Stack.
- (b) Truck traffic on paved road to and from the Silo.

This modification, also consist of modifying the existing Part 70 Operating Permit Conditions to reflect the resolution of the petition that was filed by Indianapolis Power and Light (IPL) Eagle valley Generating Station on October 12, 2006 for an administrative review (Cause 04-A-J-3446) of their Title V operating Permit No.T109-6569-00004.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

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

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	171.97
PM10	76.55
SO ₂	0
VOC	0
CO	0
NO _x	0

HAPs	Potential To Emit (tons/year)
Single HAP	less than 10
Total HAPs	less than 25

This Source Modification is subject to 326 IAC 2-7-10.5(f)(4) because this modification has a potential to emit greater than twenty-five (25) and fifteen (15) tons per year of PM and PM10 respectively . Additionally, the modification will be incorporated into the Part 70 Operation Permit through a Significant Permit Modification issued pursuant to 326 IAC 2-7-12(d) because this modification requires a case-by-case determination of emission limitation or other standard.

Permit Level Determination – PSD

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 modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/Emission Unit	PM	PM10	SO ₂	VOC	CO	NO _x
Fly ash storage and handling						
Fly Ash Conveyance and Silo Storage	17.1	13.14	0	0	0	0
Truck Loading	0.53	0.25	0	0	0	0
Pave Roads	7.19	1.40	0	0	0	0
Total for Modification	24.8	14.8	0	0	0	0
Significant Level	25	15	40	40	100	40

This modification to an existing major stationary source is not major because the emission increases are less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Morgan County has been designated as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM10. IPL Eagle Valley Generating Station has limited the potential to emit of PM10 from the modification to less than fifteen (15) tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-2 does not apply for PM2.5.

Federal Rule Applicability Determination

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.
- (c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet 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 new or modified emission unit involved:

Emission Unit	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)
Fly Ash Conveyance (PM10)	Y	Y	48.18	0.048	100	N	N
Silo Storage (PM10)	Y	Y	26.72	0.03	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to the fly ash storage and handling system (Fly Ash Conveyance and Silo Storage) as part of this modification.

State Rule Applicability Determination

The applicability of the following state rules was examined due to this modification:

326 IAC 2-1.1-5 (Non-attainment New Source Review)

Morgan County has been designated as nonattainment for PM_{2.5}. According to an EPA guidance memo dated April 5, 2005, PM₁₀ is to be utilized as a surrogate for PM_{2.5} until the EPA can promulgate the PM_{2.5} implementation rule. This modification to an existing nonattainment NSR major source is not considered major because potential to emit of PM₁₀ (as a surrogate for PM_{2.5}) is limited to less than 15 tons per year as specified below under 326 IAC 2-2 (PSD).

326 IAC 2-2 (PSD)

The uncontrolled PM and PM₁₀ emissions from the fly ash storage and handling system (Fly Ash Conveyance and Silo Storage) is more than 25 and 15 tons per year, respectively. The following limit for PM and PM₁₀ emissions has been established for this emission unit.

- (a) The combined PM emissions from the fly ash conveyance and Silo storage shall not exceed 3.9 pounds per hour.
- (b) The combined PM₁₀ emissions from the fly ash conveyance and Silo storage shall not exceed 2.9 pounds per hour.

Compliance with these limits in combination with potential PM/PM₁₀ emissions from other emission units will limit the PM and PM₁₀ emissions from the fly ash storage and handling system (Fly Ash Conveyance and Silo Storage) to less than 25 and 15 tons per year, respectively and render the requirements of 326 IAC 2-2 (PSD) not applicable to the fly ash storage and handling system.

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

The operation of fly ash storage and handling system will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

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

Pursuant to 326 IAC 6-3-2, the allowable particulate matter (PM) from the Fly Ash Conveyance and Silo Storage (fly ash storage and handling system) shall not exceed 19.2 pounds per hour, each, when operating at a process weight rate of 10 tons per hour, each. 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 was determined 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 baghouse and ash collector shall be in operation at all times the fly ash storage and handling system is in operation, in order to comply with this limit.

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

Pursuant to 326 IAC 6-3-1(b)(14), the potential particulate emissions from the truck loading is less than 0.551 pounds per hour. Therefore, the truck loading is exempt from the 326 IAC 6-3 rule.

326 IAC 6-5 (Fugitive Particulate Matter Limitations)

IPL Eagle Valley Generating Station is not a new source of fugitive dust. Therefore, the requirements of 326 IAC 6-5 (Fugitive Particulate Matter Limitations) do not apply to the construction of the proposed new paved road.

Compliance Determination and Monitoring Requirements

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

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

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

(a) Dust Collector

Facilities	Control	Parameter	Frequency	Range	Excursions and Exceedances
Fly ash Conveyance	Silo Baghouse	Water Pressure Drop	Daily	1 to 10 inches	Response Steps
		Visible Emissions		Normal-Abnormal	
Silo storage	Fly Ash Collector	Water Pressure Drop	Daily	1 to 10 inches	Response Steps
		Visible Emissions		Normal-Abnormal	

(b) PM/PM10 Testing

Emission units	Control device	When to test	Pollutants	Frequency of testing
Fly ash Conveyance	Baghouse	Within 180 days after startup	PM/PM ₁₀	Every five years
Silo storage	Fly ash Collector	Within 180 days after startup	PM/PM ₁₀	Every five years

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 109-6569-00004. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change 1 A new emission unit has been added to Section A.2 and a new section D.5 with its conditions has been added to the permit.

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:

.....

(j) **One (1) pneumatic fly ash storage silo and handling system, to be constructed in 2008, with a maximum storage capacity of 300 tons and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse, and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to a stack, identified as Vacuum Blower Stack.**

.....

SECTION D.5

FACILITY OPERATION CONDITIONS

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

- (j) One (1) pneumatic fly ash storage and handling system, to be constructed in 208, with a maximum storage capacity of 300 ton and a maximum throughput capacity of 10.0 tons of fly ash per hour. The particulate emissions from the silo loadout to trucks are uncontrolled and exhaust to the atmosphere. The particulate emissions from the silo storage will be controlled by a baghouse, identified as Silo Baghouse and exhausting to a stack, identified as Silo Stack. The particulate emissions from fly ash conveyance are controlled by a dust collector, identified as Fly Ash Collector, and exhausting to stack, identified as Vacuum Blower Stack.

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

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

D.5.1 PSD Minor Limits and Nonattainment NSR [326 IAC 2-2] [326 IAC 2-1.1-5]

The Permittee shall comply with the following:

- (a) The combined PM emissions from the fly ash conveyance and Silo storage shall not exceed 3.9 pounds per hour.
- (b) The combined PM₁₀ emissions from the fly ash conveyance and Silo storage shall not exceed 2.9 pounds per hour.

Compliance with these limits in combination with other emission units will limit the PM and PM₁₀ emissions from the fly ash storage and handling system (Fly Ash Conveyance and Silo Storage) to less than 25 and 15 tons per year, respectively and render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the fly ash storage and handling system.

D.5.2 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 Fly Ash Conveyance and Silo Storage (fly ash storage and handling system) shall not exceed 19.2 pounds per hour, each, when operating at a process weight rate of 10 tons per hour, each. 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 was determined 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

Compliance Determination Requirements

D.5.3 Particulate Matter (PM)

- (a) In order to comply with Conditions D.5.1 and D.5.2, the baghouse and fly ash collector shall be in operation at all times when the fly ash storage and handling is in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also included the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.5.4 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-1.1-11]

Within 180 days after initial startup of the fly ash handling and storage system, in order to demonstrate compliance with Conditions D.5.1 and D.5.2, the Permittee shall perform PM/PM10 testing on baghouse and the dust collector controlling the fly ash storage and handling system utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.5.5 Visible Emissions Notations

- (a) Visible emission notations of the fly ash storage and handling stack exhausts shall be performed once per week during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.5.6 Parametric Monitoring

The Permittee shall record the pressure drop across the fly ash storage and handling baghouse and dust collector used in conjunction with the fly ash storage and handling at least once per day when the fly ash storage and handling is in operation. When for any one reading, the pressure drop across the baghouse or the fly ash collector is outside the normal range of 1.0 and 10.0 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. Failure to take response steps in accordance with Section C - Response to

Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with condition C.14 - Instrument Specifications, be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.5.7 Broken or Failed Bag Detection

- (a) **For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.**
- (b) **For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit.**

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

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

D.5.8 Record Keeping Requirements

- (a) **To document compliance with Condition D.5.5 - Visible Emission Notation, the Permittee shall maintain weekly records of the visible emission notations of the fly ash storage and handling stack exhaust. 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 week).**
- (b) **To document compliance with Condition D.5.6 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse and fly ash collector controlling the fly ash storage and handling. 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.**

Appeal Resolution

IDEM and IPL Eagle Valley Generating Station have agreed upon the following revisions to the Operating Permit No. T109-6569-00004 pursuant to Settlement Agreement Cause No. 04-A-J-3446:

Appeal Resolution 1 SECTION A - Preamble is modified as follows:

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.~~

Appeal Resolution 2 Condition A.1 – General Information is modified as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 20705(15)] [326 IAC 2-7-1(22)]

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

~~Responsible Official: Acid Rain Representative~~
Source Address: 4040 Blue Bluff Road, Martinsville, Indiana 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, Indiana 46151
Source Telephone: 765-349-3413
SIC Code: 4911
County Location: Morgan
County Status: Nonattainment for ozone under the 8-hour standard
Attainment for all other criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under PSD Rules and Nonattainment NSR;
Major Source, Section 112 of the Clean Air Act
1 of 28 Source Categories

Appeal Resolution 3 Condition A.2 – Emission Units and Pollution Control Equipment Summary is modified as follows:

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) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. **Unit 4 is equipped with separated overfire air (SOFA) and low NO_x burners (LNB) for control of NO_x emissions, which were voluntarily installed and are not required to operate.** Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. **Unit 5 is equipped with SOFA and LNB for control of NOx emissions, which were voluntarily installed and are not required to operate.** Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NOx and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. **Unit 6 is equipped with SOFA for control of NOx emissions, which was voluntarily installed and is not required to operate.** Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NOx burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NOx and SO₂ and a continuous opacity monitor (COM).
- (f) One (1) distillate oil fired generator, identified as Unit PR-10, constructed in 1967, with a design heat input capacity of 28.4 million Btu per hour (MMBtu/hr), exhausting to stack PR10-1.
- (g) Coal transfer facilities, with a maximum throughput of 800 tons per hour, with a dust suppression system ~~using foam on coal going to the bunkers and wet spray on the coal stack out.~~
- (h) Rail car unloading, coal pile unloading, and coal storage, with a maximum capacity of 800 tons per hour.
- (i) Coal crushers, identified as 1A and 1B, with a maximum combined capacity of 800 tons per hour, each using an enclosure for dust control.

Appeal Resolution 4 Condition A.3 -- Specifically Regulated Insignificant Activities is modified as follows:

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) Coal bunker and coal scale exhausts ~~and associated dust collector vents.~~ [326 IAC 6-3] [326 IAC 5]
- (b) ~~Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.~~
[326 IAC 6-3]
- (b) (b) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO₂ 5 pounds per hour or 25 pounds per day, NO_x 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:
 - (1) Wet process ash handling, with hydroveyors conveying ash to storage ponds.

- [326 IAC 6-4]
(2) Pondered ash handling/removal operations. [326 IAC 6-4]
~~(3) Sandblasting room. [326 IAC 6-3]~~

Appeal Resolution 5 Condition B.10 -- Preventative Maintenance Plan is modified as follows:

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, t~~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:~~ **for the source as described in 326 IAC 1-6-3. At a minimum, the PMP shall include:**
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- ~~(b) The Permittee shall implement the PMPs, including any required record keeping as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(e) (b)~~ (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- ~~(d) (c)~~ (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

Appeal Resolution 6 Condition B.11 – Emergency Provisions is modified as follows:

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 I

DEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;
Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or Telephone Number: 317-233-5674
(ask for Compliance Section) Facsimile Number: 317-233-5967.

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, ~~P. O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) **The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that the 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.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

Appeal Resolution 7 Condition B.24 – Credible Evidence is modified as follows:

B.24 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314]

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

Appeal Resolution 8 Condition C.12 – Maintenance of Continuous Opacity Monitoring Equipment is modified as follows:

C.12 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 COM shall be in operation at all times that the induced draft fan is in operation.
- (b) All continuous opacity monitoring systems 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 continuous opacity monitoring system occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (d) ~~Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of one (1) hour or more, compliance with the applicable opacity limits shall be demonstrated by the following:~~
 - (1) ~~Visible emission (VE) notations shall be performed once per hour during daylight operations following the shutdown or malfunction of the primary COM. A trained employee shall record whether emissions are normal or abnormal for the state of operation of the emission unit at the time of the reading.~~
 - (A) ~~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.~~
 - (B) ~~If abnormal emissions are noted during two consecutive emission notations, the Permittee shall begin Method 9 opacity observations within four hours of the second abnormal notation.~~
 - (C) ~~VE notations may be discontinued once a COM is online or formal Method 9 readings have been implemented.~~
 - (2) ~~If a COM is not online within twenty four (24) hours of shutdown or malfunction of the primary COM, the Permittee shall provide certified opacity reader(s), who may be employees of the Permittee or independent contractors, to self-monitor the emissions from the emission unit stack.~~
- (d) **Whenever a COM is malfunctioning or down for repairs or adjustments for twenty-four (24) hours or more and a backup COM cannot be brought on-line, the**

Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the opacity from the emission unit stack.

- (A) (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 later than twenty-four hours after the start of the malfunction or down time; **provided, however, that if such 24-hour period ends during the period beginning two (2) hours before sunset and ending two (2) hours after sunrise, then such visible emissions readings shall begin within four (4) hours of sunrise on the day following the expiration of such 24-hour period.**
- (B) (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.
- (C) (3) Method 9 readings may be discontinued once a COM is online.
- (D) (4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
- ~~(3) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C—Compliance Response Plan—Preparation, Implementation, Records, and Reports. Observation of abnormal emissions that do not violate 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~~
- (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.

Appeal Resolution 9 Section C is modified to add new condition "Maintenance of Continuous Emissions Monitoring Equipment" as follows:

C.13 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)]

- (a) **The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.**
- (b) **All continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other performance specification, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.**
- (c) **IN the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.**
- (d) **Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for maintenance or repairs, the following shall be used as an alternative to continuous data collection**
- (1) **If the CEM is required for monitoring NO_x or SO₂ emissions pursuant to 40 CFR 75 (Title IV Acid Rain program) or 326 IAC 10-4 (NO_x Budget Trading Program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D - Missing Data Substitution Procedures.**

- (2) **IF the CEM is not used to monitor NO_x or SO₂ emissions pursuant to 40 CFR 75 or 326 IAC 10-4, then supplemental or intermittent monitoring of the parameter shall be implemented as specified in Section D of this permit until such time as the emission monitor system is back in operation.**
- (e) **Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 326 IAC 10-4, 40 CFR 60 or 40 CFR 75.**

Appeal Resolution 10 Condition C.14 – Pressure Gauge and Other Instrument Specifications is modified as follows:

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

- (a) ~~Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading~~
- (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 pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other the parameters.~~

Appeal Resolution 11 Condition C.17 – Compliance Response Plan is modified as follows:

C.17 ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~

- (a) ~~The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start up, Shutdown, and Malfunction (SSM) Plan under 40 CFR 63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~
- (1) ~~Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.~~
- (2) ~~If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start up, Shutdown, and Malfunction (SSM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start up, Shutdown, and Malfunction (SSM) Plan to include such response steps taken.~~

~~The OMM Plan or Parametric Monitoring and SSM Plan shall be submitted within~~

~~the time frames specified by the applicable 40 CFR 63 requirement.~~

- (b) ~~For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan; or~~
 - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
 - ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
 - ~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- (c) ~~The Permittee is not required to take any further response steps for any of the following reasons:~~
- ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
 - ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~
 - ~~(3) An automatic measurement was taken when the process was not operating.~~
 - ~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- (d) ~~When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- (e) ~~The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- (f) ~~Except as otherwise provided by a rule or provided specifically in Section D, all monitoring~~

~~as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

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

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emission unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through a response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

Appeal Resolution 12 Condition D.1.2(a) – Temporary Alternative Opacity Limitations is modified as follows:

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

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies to Eagle Valley Units 1 and 2:
 - (1) When starting a fire in a boiler, or shutting down a boiler, opacity may exceed the **forty percent (40%) opacity** applicable limit established in 326 IAC 5-1-2 and ~~stated in Section C – Opacity~~. 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** applicable limit established in 326 IAC 5-1-2 ~~and stated in Section C – Opacity~~. 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 in excess of the limit set in 326 IAC 5-1-2 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)]

Appeal Resolution 13 Condition D.1.4 – Operation Standards is modified as follows:

~~D.1.4 – Operation Standards [326 IAC 2-1.1-5(a)(4)] [40 CFR 261] [40 CFR 279] [329 IAC 13]~~

~~Condition D.1.4 – Operation Standards~~

- ~~(a) The burning of hazardous waste, as defined by 40 CFR 261, is prohibited in these facilities **without a Resource Conservation and Recovery Act (RCRA) permit**. Any boiler tube chemical cleaning waste liquids evaporated in the boiler, and any used oil combusted shall meet the toxicity characteristic requirements for non-hazardous waste. **These requirements are not federally enforceable pursuant to the Title V permit.**~~
- ~~(b) Any boiler tube chemical cleaning waste liquids fired **evaporated** in the boiler shall only contain the cleaning solution and **no more than two** full volume boiler rinses.~~

Appeal Resolution 14 Condition D.1.5 – Preventive Maintenance Plan is modified as follows:

~~Condition D.1.5 – Preventive Maintenance Plan~~

~~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.~~

Appeal Resolution 15 Condition D.1.6 – Testing Requirements is modified as follows:

~~D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11][**326 IAC 3-6**]~~

- (a) Within one (1) year of issuance of this permit, compliance with the particulate limitations in Condition D.1.1(b) and with the Opacity limits in Section C - Opacity and Temporary Alternative Opacity Limitations for startup shall be determined as follows:
- (1) Compliance with the particulate limitations shall be determined by a performance stack test conducted utilizing methods as approved by the Commissioner. PM testing with both units operating and exhausting to the common stack is permitted. [326 IAC 3-6]
- (2) To determine compliance with Section C – Opacity, visible emissions (VE) evaluations shall be performed in conjunction with the particulate emissions testing in accordance with 40 CFR 60, Appendix A, Method 9. The VE readings shall be ~~continuously~~ recorded for the full duration of the sampling time for each sampling repetition **that occurs during daylight hours**. [326 IAC 3-5-1(c)(2)(A)(ii)] [326 IAC 5-1-4(a)(1)]
- (3) To demonstrate compliance with the Temporary Alternative Opacity Limitation for boiler startups, visible emissions (VE) evaluations shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, during **daylight hours** of the startup from lightoff to completion of start-up. [326 IAC 3-5-1(c)(2)(A)(ii)] [326 IAC 5-1-4(a)(1)]
- (b) The PM stack testing and Method 9 opacity readings shall be repeated as follows:
- (1) By December 31 of every second calendar year following this valid compliance

demonstration; or

- (2) If a unit is not operated at least 1,000 hours in the 2 years since the previous stack test, then testing shall be repeated at least once every 1,000 hours of operation for that unit, or five (5) calendar years from the date of the last valid compliance demonstration, whichever occurs first.

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.

Appeal Resolution 16 Conditions D.1.7 and D.3.2 – Sulfur Dioxide Emissions and Sulfur Content are modified as follows:

D.1.7 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-11]

Compliance shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, 326 IAC 7-2, and 326 IAC 7-4-11, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed the equivalent of 0.37 pounds per MMBtu each, using a calendar month average, by:
 - (1) Providing vendor analysis of fuel delivered, accompanied by a vendor certification; or
 - (2) Providing analysis of fuel oil samples collected and analyzed in accordance with 326 IAC 3-7-4(a).
 - (A) Oil samples shall be collected from the tanker truck load **during or** prior to transferring fuel to the storage tank; or
 - (B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.
- (b) Upon written notification to IDEM by a facility owner or operator, 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.3.2 Sulfur Dioxide Emissions and Sulfur Content] [326 IAC 7-1.1-2] [326 IAC 7-2]

Pursuant to 326 IAC 3-7-4, 326 IAC 7-1.1-2, and 326 IAC 7-2, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed the equivalent of 0.5 lb/MMBtu, using a calendar month average, by:

- (a) Providing vendor analysis of fuel delivered, accompanied by a vendor certification; or
- (b) Providing analysis of fuel oil samples collected and analyzed in accordance with 326 IAC 3-7-4(a).
 - (1) Oil samples shall be collected from the tanker truck load **during or** prior to transferring fuel to the storage tank; or
 - (2) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.

Appeal Resolution 17 Condition D.1.9- Cleaning Waste Analysis Characterization is modified as follows:

~~D.1.9 Cleaning Waste Characterization [326 IAC 2-1-1-5(a)(4)] [40 CFR 261]~~

~~Condition D.1.9 – Cleaning Waste Analysis Characterization~~

~~The Permittee shall use appropriate test methods methodology as listed identified in 40 CFR Part 261 to analyze characterize all boiler chemical cleaning wastes that will be burned evaporated, to determine compliance with the Operation Standards condition in this D section. This condition is not federally enforceable pursuant to the Title V permit.~~

Appeal Resolution 18 Condition D.1.10 – Visible Emissions Notations is modified as follows:

~~D.1.10 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

- (a) Visible emission notations of the fuel oil-fired boiler exhaust shall be performed once per ~~shift~~ **day** during normal daylight operations when one or both of Units 1 and 2 are in operation **and burning fuel oil**. A trained employee shall record whether emissions are normal or abnormal.
- (b) If abnormal emissions are observed at any boiler exhaust, the Permittee shall take reasonable response steps in accordance with Section C – ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions**. Observation of abnormal emissions that do not violate 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~~ **Response to Exceedances or Excursions**, shall be considered a deviation from this permit.
- (c) “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.
- (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.

Appeal Resolution 19 Condition D.1.11 – Record Keeping Requirements is modified as follows:

~~D.1.11 Record Keeping Requirements [326 IAC 2-7-5(3)]~~

- (a) To document compliance with the applicable opacity limits and Conditions D.1.1, D.1.2, and D.1.10, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the opacity and particulate limits established in Section C - Opacity and Conditions D.1.1 and D.1.2.
 - (1) Data and results from the most recent stack test and accompanying Method 9 visible emissions evaluation results for Units 1 and 2.
 - (2) Results of the visible emission notations of the stack 1-1 exhaust.
- (b) To document compliance with Conditions D.1.3 and D.1.7, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained shall be complete and sufficient to establish compliance with the SO₂ limit as required in Conditions D.1.3 and D.1.7.
 - (1) Calendar dates covered in the compliance determination period.
 - (2) Monthly weighted average sulfur content.
 - (3) Fuel heat content.

- (4) Fuel consumption.
- (5) Monthly weighted average sulfur dioxide emission rate in pounds per million Btus (lb/MMBtu).

~~(c) To document compliance with Condition D.1.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

Appeal Resolution 20 Section D.2 – Facility Description is modified as follows:

SECTION D.2 FACILITY OPERATION CONDITIONS

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

- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. **Unit 4 is equipped with SOFA and LNB to control NO_x emissions.** Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. **Unit 5 is equipped with SOFA and LNB to control NO_x emissions.** Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. **Unit 6 is equipped with SOFA to control NO_x emissions.** Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

Appeal Resolution 21 Condition D.2.2. – Temporary Alternative Opacity Limitations is modified as follows:

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

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies:
 - (1) ~~For the first three (3) years following the issuance date of the Title V permit for~~

~~this source, w~~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 two and one-half (2.5) hours (twenty-five (25) six (6)-minute averaging periods) or until the flue gas temperature reaches two hundred fifty (250) degrees Fahrenheit, whichever occurs first [326 IAC 5-1-3(e)]

- (2) ~~Following the expiration of the alternative limitation in (a)(1) of this condition, when building a new fire in a boiler, opacity may exceed the 40% opacity limit established in 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)]~~
- ~~(3)~~—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 (1) hour (ten (10) six (6)-minute averaging periods). [326 IAC 5-1-3(e)]
- ~~(3)~~(4) Operation of the electrostatic precipitator is not required during these times.
- ~~(4)~~(5) During the above startup and shutdown periods all reasonable efforts shall be made to minimize the number and magnitude of the exceedances.

- (b) 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 in excess of the limit set in 326 IAC 5-1-2 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)]

Appeal Resolution 22 Condition D.2.3 – Sulfur Dioxide is modified as follows:

D.2.3 Sulfur Dioxide (SO₂) [326 IAC 7-4-11]

Pursuant to 326 IAC 7-4-11 (Sulfur Dioxide Emission Limitations for Morgan County):

- (a) SO₂ emissions from Unit 3 shall not exceed 0.37 pounds per million Btu (lbs/MMBtu), **compliance with which shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average.** [326 IAC 7-4-11(2)]
- (b) SO₂ emissions from Units 4, 5, and 6 shall not exceed 3.04 pounds per million Btu (lbs/MMBtu) each, **compliance with which shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average.** [326 IAC 7-4-11(2)]
- (c) As an exception to the emission limitations specified in (a) and (b), **pursuant to 326 IAC 7-4-11(7),** at any time in which IPL burns coal on Unit 3, **the thirty (30) day rolling weighted average for** sulfur dioxide emissions from Units 3, 4, 5, and 6 shall be limited to two and fifty-seven hundredths (2.57) pounds per million Btu each. [326 IAC 7-4-11(3)]

Appeal Resolution 23 Condition D.2.4 – Operational Standards is modified as follows:

D.2.4 Operation Standards [326 IAC 2 1.1 5(a)(4)] [40 CFR 261] [40 CFR 279] [329 IAC 13]

Condition D.2.4 – Operation Standards

- (a) ~~All coal burned, including coal treated with any additive, shall meet the ASTM definition of coal.~~
- (b) ~~The burning of hazardous waste, as defined by 40 CFR 261, is prohibited in these~~

~~facilities without a Resource Conservation and Recovery Act (RCRA) permit. Any boiler tube chemical cleaning waste liquids evaporated in the boiler, and any binding agent, or used oil combusted shall meet the toxicity characteristic requirements for nonhazardous waste. These requirements are not federally enforceable pursuant to the Title V permit.~~

- ~~(c) Used oil may be combusted as supplemental fuel for energy recovery in compliance with 40 CFR Part 279 (Standards for the management of used oil) and 329 IAC 13 (Used Oil Management). These requirements are not federally enforceable pursuant to the Title V permit.~~
- ~~(d) Used oil shall only be combusted in only Units 3 and 6; used oil containment materials generated onsite shall only be combusted in only Unit 3.~~
- ~~(e) Any boiler tube chemical cleaning waste liquids fired evaporated in the boiler shall only contain the cleaning solution and no more than two full volume boiler rinses.~~

Appeal Resolution 24 Condition D.2.5 – Preventive Maintenance Plan is modified as follows:

~~D.2.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~Condition D.2.5 – Preventive Maintenance Plan~~

- ~~(a) A Preventive Maintenance Plan, in accordance with Section B – Preventive Maintenance Plan, of this permit, is required for these facilities and any **their** emission control devices.~~
- ~~(b) The PMP for an electrostatic precipitator shall include the following inspections, performed according to the indicated schedules:
 - ~~(1) Plate and electrode alignment, every major maintenance outage, but no less than every 2 years;~~
 - ~~(2) ESP TR set components, performed whenever there is an outage of any nature lasting more than three days, unless such inspections have been performed within the last six months. At a minimum, the following inspections shall be performed:
 - ~~(A) Internal inspection of shell for corrosion (including but not limited to doors, hatches, insulator housings, and roof area).~~
 - ~~(B) Effectiveness of rapping (including but not limited to buildup of dust on discharge electrodes and plates).~~
 - ~~(C) Gas distribution (including but not limited to buildup of dust on distribution plates and turning vanes).~~
 - ~~(D) Dust accumulation (including but not limited to buildup of dust on shell and support members that could result in grounds or promote advanced corrosion).~~
 - ~~(E) Major misalignment of plates (including but not limited to a visual check of plate alignment).~~
 - ~~(F) Rapper, vibrator and TR set control cabinets (including but not limited to motors and lubrication).~~
 - ~~(G) Rapper assembly (including but not limited to loose bolts, ground wires, water in air lines, and solenoids).~~~~~~

- ~~(H) Vibrator and rapper seals (including but not limited to air leakage, wear, and deterioration).~~
- ~~(I) TR set controllers (including but not limited to low voltage trip point, over current trip point, and spark rate).~~
- ~~(J) Vibrator air pressure settings.~~
- ~~(3) Air and water infiltration, once per month. The recommended method for this inspection is for audible checks around ash hoppers/hatches, duct expansion joints, and areas of corrosion.~~
- ~~(4) Flue gas conditioning system (FGCS) components, performed whenever there is an outage of any nature lasting more than three days, unless such inspections have been performed within the last six months.~~

Appeal Resolution 25 Condition D.2.6 – Testing Requirements is modified as follows:

D.2.6 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11].

By December 31 of the second calendar year following the most recent stack test, or within ~~482~~ **365** days after issuance of this permit, whichever is later, compliance with the PM limitation in Condition D.2.1(b) shall be determined by a performance stack test conducted utilizing methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this 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.

Appeal Resolution 26 Condition D.2.7 – Operation of Electrostatic Precipitator is modified as follows:

D.2.7 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitators (ESPs) shall be operated at all times that the boilers vented to the ESPs are in operation. Each flue gas conditioning (FGC) system **on Unit 3, Unit 4 and Unit 5** shall be used with the corresponding ESP as necessary to maintain compliance with this permit.

Appeal Resolution 27 Condition D.2.9 – Sulfur Dioxide Emissions and Sulfur Content is modified as follows:

D.2.9 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-11]

- (a) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data obtained in accordance with procedures specified under 326 IAC 3-7 may be used to demonstrate compliance as follows:
 - (1) Pursuant to 326 IAC 7-4-11(6), on a day for which Unit 3 does not burn any coal, compliance with the sulfur dioxide emission limitations in 326 IAC 7-4-11(2) shall be determined as specified in 326 IAC 7-2-1(c), using a thirty (30) day rolling weighted average.
 - (2) Pursuant to 326 IAC 7-4-11(7), on a day for which Unit 3 burns any coal, if the thirty (30) day rolling weighted average for any unit is above two and fifty-seven hundredths (2.57) pounds per million Btu, then 326 IAC 7-2-1(c)(1) does not apply, and the daily average emission rate for that unit for that day shall not exceed two and fifty-seven hundredths (2.57) pounds per million Btu.

In the alternative, SO₂ emissions may be determined by use of CEM in lieu of any other method prescribed herein.

- (b) Pursuant to 326 IAC 7-4-11(8), for the purposes of determining compliance under 326 IAC 7-2-1(b), stack tests performed on Units 3, 4, 5, and 6 shall demonstrate compliance with the most stringent set of limits in effect at any time during the day prior to or during the test based on the Unit 3 operating status and fuel type as indicated by the log maintained pursuant to 326 IAC 7-4-11(9).

Appeal Resolution 28 Condition D.2.12 – Transformer-Rectifier (T-R) Sets is modified as follows:

D.2.12 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The ability of the ESP to control particulate emissions shall be monitored once per ~~shift~~ **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 ~~—Compliance Response Plan—Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions** whenever the percentage of T-R sets in service falls below 90 percent. T-R set failure resulting in less than 90 percent availability is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan—Preparation, Implementation, Records, and Reports,~~ **Response to Exceedances or Excursions** shall be considered a deviation from this permit.

Appeal Resolution 29 Condition D.2.11 – Cleaning Waste Analysis is modified as follows:

D.2.11 ~~Cleaning Waste Characterization [326 IAC 2-1-1-5(a)(4)] [40 CFR 261]~~

Condition D.2.11 – Cleaning Waste Analysis Characterization

~~The Permittee shall use appropriate test methods methodology as listed identified in 40 CFR Part 261 to analyze characterize all boiler chemical cleaning wastes that will be burned evaporated, to determine compliance with the Operation Standards condition in this D-section. This condition is not federally enforceable pursuant to the Title V permit.~~

Appeal Resolution 30 Condition D.2.13 – Opacity Readings.

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

- (a) In the event of emissions exceeding thirty percent (30%) average opacity for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken in accordance with Section C - **Response to Exceedances or Excursions** such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below thirty percent (30%). Examples of expected response steps include, but are not limited to, boiler loads being reduced, adjustment of flue gas conditioning rate, and ESP T-R sets being returned to service.
- (b) Opacity readings in excess of thirty percent (30%) 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 Exceedances or Excursions**, shall be considered a deviation from this permit.

Appeal Resolution 31 Condition D.2.14 – SO₂ Monitor Downtime is modified as follows:

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

- (a) Whenever the SO₂ continuous emission monitoring (CEM) system is malfunctioning or down for repairs or adjustments **and a backup CEM is not brought on-line**, the following shall be used to provide information related to SO₂ emissions:

- (1) If the CEM system is down for less than **twenty-four (24) hours and a backup CEM is not brought on-line** ~~eight (8) 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** ~~eight (8) hours~~ or more **and a backup CEM is not brought on-line, the Permittee shall either:**
 - (A) **Conduct fuel sampling as specified in 326 IAC 3-7-2(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.** ~~coal sampling and analysis data shall be collected in accordance with one of the following; or~~
 - (B) **Comply with the relevant requirements of 40 CFR Part 75. Subpart D - Missing Data Substitution Procedures**
 - (A) ~~Coal samples shall be collected after the bunker. Coal shall be sampled at least three (3) times per day and at least one (1) time per eight (8) hour period unless no coal is bunkered during the preceding eight (8) hour period. Minimum sample size shall be five hundred (500) grams. Coal samples shall be prepared and analyzed as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e).
or [sic; underline in original]~~
 - (B) ~~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) ~~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.~~

Appeal Resolution 32 Condition D.2.15 – Record Keeping Requirements is modified as follows:

D.2.15 Record Keeping Requirements

- (a) To document compliance with the applicable opacity **and particulate** limits and Conditions D.2.1, D.2.2, D.2.8, 2.12 and D.2.13, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the opacity and particulate limits 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 visible emission (VE) notations and Method 9 visible emission readings taken during any periods of COM downtime.

- (4) All ESP parametric monitoring readings.
- (b) To document compliance with SO₂ Conditions D.2.3, D.2.8, D.2.9, 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.2.9. The Permittee shall maintain records in accordance with (2) and (3) **or (4)** below during SO₂ CEM system downtime.
 - (1) All SO₂ continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(g).
 - (2) All fuel sampling and analysis data collected for SO₂ CEM downtime, in accordance with Condition D.2.14
 - (3) **Calculated actual** ~~Actual~~ fuel usage during each SO₂ CEM downtime **for the Unit(s) affected by CEM downtime lasting 24 or more hours.**
 - (4) **The substitute data used for the missing data periods if data substitution pursuant to 40 CFR Part 75 Subpart D is used to provide data for the SO₂ CEM downtime, in accordance with Condition D.2.14.**
- (c) Pursuant to 326 IAC 7-4-11(9), the Permittee shall maintain and make available to the department upon request a log of the operating status and fuel type used for Unit 3. In addition, in the quarterly report required by 326 IAC 7-2-1(a), the Permittee shall submit to the department a daily summary indicating fuel type for Unit 3, and, for days on which Unit 3 burned any coal and any thirty (30) day rolling weighted average was greater than two and fifty-seven hundredths (2.57) pounds per million Btu, the Permittee shall submit to the department the daily average sulfur content, heat content, and sulfur dioxide emission rate for Units 3, 4, 5, and 6.
- ~~(d) To document compliance with Condition D.2.5, the Permittee shall maintain records of the results of all boiler and emission control equipment inspections, including any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(d)(e)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Appeal Resolution 33 Condition D.2.17 – Used Oil Requirements is modified as follows:

~~D.2.17 Used Oil Requirements [326 IAC 2-1-1-5(a)(4)] [40 CFR 279] [329 IAC 13]~~

~~Condition D.2.17 – Used Oil Requirements~~

~~The used oil is burned in Boiler No. 3 shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:~~

- ~~(a) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),~~
- ~~(b) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and~~
- ~~(c) Maintaining records pursuant to 329 IAC 13-8-6 (Tracking).
The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC~~

~~3.1 is prohibited at this source. This condition is not federally enforceable pursuant to the Title V permit.~~

Appeal Resolution 34 Section D.4 – Facility Description is modified as follows:

SECTION D.4 FACILITY OPERATION CONDITIONS

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

- (g) Coal transfer facilities, with a maximum throughput of 800 tons per hour, with a dust suppression system ~~using foam on coal going to the bunkers and a wet spray on the coal stack out.~~
- (h) Rail car unloading, coal pile unloading, and coal storage, with a maximum capacity of 800 tons per hour.
- (i) Coal crushers, identified as 1A and 1B, with a maximum combined capacity of 800 tons per hour, each using an enclosure for dust control.

Insignificant Activities:

~~Coal bunker and coal scale exhausts and associated dust collector vents.~~

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

Appeal Resolution 35 Condition D.4.2 – Preventive Maintenance Plan is modified as follows:

~~D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~Condition D.4.2 – Preventive Maintenance Plan~~

~~A Preventive Maintenance Plan, in accordance with Section B – Preventive Maintenance Plan, of this permit, is required for these facilities the foam and wet spray application systems and any emission control devices associated with these facilities.~~

Appeal Resolution 36 Condition D.4.3 – Visible Emissions Notations is modified as follows:

~~D.4.3 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

- (a) Visible emission notations of any coal transfer exhaust points shall be performed once per ~~shift~~ **week** during normal daylight operations when transferring coal. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the rail car unloading shall be performed once per ~~shift~~ **week** during normal daylight operations when unloading coal. A trained employee shall record whether emissions are normal or abnormal.
- (c) Visible emission notations of the coal crusher stack exhaust shall be performed once per ~~shift~~ **week** during normal daylight operations when the crusher is in operation. A trained employee shall record whether emissions are normal or abnormal.
- (d) If abnormal emissions are observed at a transfer point exhaust or crusher exhaust or from the coal unloading, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions**. 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. Failure to take response steps in accordance with

~~Section C – Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions**, shall be considered a deviation from this permit.

- (e) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.
- (f) 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.
- (g) 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.

Appeal Resolution 37 Condition D.4.4 – Record Keeping Requirements is modified as follows:

D.4.4 Record Keeping Requirements

- (a) To document compliance with Section C - Opacity and Condition D.4.3, the Permittee shall maintain records of the visible emission notations of the rail car unloading, coal crusher exhausts points, any coal transfer exhaust points, and all response steps taken and the outcome for each.
- ~~(b) To document compliance with Condition D.4.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(b)-(c)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Appeal Resolution 38 Condition D.5.2 – Preventive Maintenance Plan is modified as follows:

~~D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~Condition D.5.2 – Preventive Maintenance Plan~~
~~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 associated with these facilities.~~

Appeal Resolution 39 Condition D.5.3 – Visible Emission Notations is modified as follows:

D.5.3 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the fly ash storage pond area(s) shall be performed at least once per ~~day~~ **week** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) If **abnormal** 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 - ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions**. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Exceedances or Excursions**, shall be considered a deviation from this permit.
- (c) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.

- (d) 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.
- (e) 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.

Appeal Resolution 40 Condition D.5.4 – Record Keeping Requirements is modified as follows:

D.5.4 Record Keeping Requirements

- (a) To document compliance with Conditions D.5.1 and D.5.3, the Permittee shall maintain records of visible emission notations of the fly ash storage pond area(s).
- ~~(b) To document compliance with Condition D.5.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(b)-(e)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Appeal Resolution 41 SECTION D.6 is modified as follows:

~~SECTION D.6 FACILITY 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:~~

~~Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.~~

~~Sandblasting room.~~

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

~~D.6.1 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 grinding and machining operations and the particulate emission rate from the sandblasting shall not exceed amounts determined by the following:~~

~~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:~~

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour.}$$

~~Compliance Determination Requirement~~

~~D.6.2 Particulate Control [326 IAC 2-7-6(6)]~~

~~Except as otherwise provided by statute or rule or in this permit, the fabric filters for particulate control shall be in operation and control emissions from the grinding and machining operations and from the sandblasting at all times that the associated process is in operation.~~

Appeal Resolution 42 Section E – Facility Description is modified as follows:

SECTION E

TITLE IV CONDITIONS

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

- (a) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. **Unit 4 is equipped with SOFA and LNB to control NO_x emissions.** Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. **Unit 5 is equipped with SOFA and LNB to control NO_x emissions.** Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. **Unit 6 is equipped with SOFA to control NO_x emissions.** Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

Appeal Resolution 43 SECTION F: Nitrogen Oxides Budget Program - NO_x Budget Permit for NO_x
Budget Units Under 326 IAC 10-4-1(a) is modified as follows:
ORIS Code 991

**SECTION F Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget
Units Under 326 IAC 10-4-1(a)**

ORIS Code: 991

NO_x Budget Source [326 IAC 2-7-5(15)]

- (a) Two (2) no. 2 fuel oil fired boilers, identified as Units 1 and Unit 2, constructed in 1949 and 1950, respectively, each with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), both exhausting to stack 1-1.
- (b) One (1) tangentially-fired wet-bottom coal boiler, identified as Unit 3, constructed in 1951, with a design heat input capacity of 524 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. Unit 3 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite and used oil containment materials generated onsite may be combusted in Unit 3 as supplemental fuel for energy recovery. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (c) One (1) tangentially-fired dry-bottom coal fired boiler, identified as Unit 4, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 2-1. **Unit 4 is equipped with SOFA and LNB to control NO_x emissions.** Unit 4 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 2-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (d) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 5, constructed in 1953, with a design heat input capacity of 741 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) and flue gas conditioning system for control of particulate matter, exhausting to stack 3-1. **Unit 5 is equipped with SOFA and LNB to control NO_x emissions.** Unit 5 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).
- (e) One (1) tangentially-fired dry-bottom coal boiler, identified as Unit 6, constructed in 1956, with a design heat input capacity of 1017 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack 3-1. **Unit 6 is equipped with SOFA to control NO_x emissions.** Unit 6 will combust no. 2 fuel oil during startup, shutdown, and stabilization periods. Used oil generated onsite may be combusted in Unit 6 as supplemental fuel for energy recovery. Unit 6 has had low-NO_x burners installed. Stack 3-1 has continuous emission monitoring systems (CEMS) for NO_x and SO₂ and a continuous opacity monitor (COM).

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

Note: The appeal resolution was done based on the agreed order and no changes were made to include or remove any thing from the agreement. Most of the conditions have been renumbered in the changes made by IDEM starting from page 37 of 54.

Other Changes

Upon further review IDEM, OAQ has made the following changes to the Title V permit T109-6569-00004. (deleted language appears as ~~strickout~~ and the new language **bolded**):

Change 1 The truck traffic has been added to Section A.3

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):

.....
(b) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO₂ 5 pounds per hour or 25 pounds per day, NO_x 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM₁₀ 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:
.....

(3) Truck traffic on paved road to and from the Silo.

Change 2 Condition B.2 - Permit Term has been revised.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

(a) This permit **T109-6569-00004** 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.**

Change 3 A new condition Term of Conditions has been added to Section B. Subsequent conditions have been renumbered.

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.**

Change 4 Previous Condition B.3 (now B.4) - Enforceability has been renumbered.

B.3 4 Enforceability [326 IAC 2-7-7]

Change 5 Condition B.9 -Annual Compliance Certification has been revised.

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

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

(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.

Change 6 IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted a paragraph of Condition B.10 – Preventive Maintenance Plan.

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

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

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

~~The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

Change 7 The phone numbers and subsection (e) in Condition B.11 Emergency Provisions have been revised.

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: ~~317-233-5674~~ **317-233-0178** (ask for Compliance Section)
Facsimile Number: ~~317-233-5967~~ **317-233-6865**.

Change 8 Condition B.13 -Prior Permit Superseded has been updated.

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

- (a) All terms and conditions of ~~previous permits~~ **established prior to T109-6569-00004** 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** ~~by this permit.~~
- (b) **Provided that all terms and conditions are accurately reflected in this permit, A**-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).

Change 9 Previous Condition B.4 is now new Condition B.14.

B.414 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

Change 10 Previous Condition B.14 is now Condition B.15.

B.145 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

Change 11 Previous Condition B.15 is now Condition B.16.

B.156 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]

Change12 Previous Condition B.16 (now Condition B.17) has been revised.

B.167 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

- ~~(4b)~~ A timely renewal application is one that is:
- ~~(A1)~~ Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - ~~(B2)~~ If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- ~~(2)~~ If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

- (c) ~~Right to Operate After Application for Renewal [326 IAC 2-7-3] [326 IAC 2-7-4]~~
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. ~~[326 IAC 2-7-4(a)(2)(D) and (E)]~~
- (d) ~~United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

Change 13 Subsection (e) of Condition B.18 - Permit Amendment or Modification has been deleted from the permit.

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

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

Change 14 For clarification purposes, Condition B.20 - Operational Flexibility has been revised.

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

- (f) **This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.**

Change 15 Previous Condition B.17 (now Condition B.21) has been revised.

B.47 21 Source Modification [326 IAC 1-2-42] [326 IAC 2-7-10.5]

- (a) ~~The Permittee shall obtain approval as required by 326 IAC 2-7-10.5 from the IDEM, OAQ prior to making any modification to the source. Pursuant to 326 IAC 1-2-42, "Modification" means one (1) or more of the following activities at an existing source:~~

- (1) ~~A physical change or change in the method of operation of any existing emissions unit that increases the potential to emit any regulated pollutant that could be emitted from the emissions unit, or that results in emissions of any regulated pollutant not previously emitted.~~
- (2) ~~Construction of one (1) or more new emissions units that have the potential to emit regulated air pollutants.~~
- (3) ~~Reconstruction of one (1) or more existing emission units that increases the potential to emit of any regulated air pollutant.~~

- (b) ~~Any application requesting a source modification shall be submitted to:~~

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

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

~~(c) The Permittee shall also comply with the applicable provisions of 326 IAC 2-7-11 (Administrative Permit Amendments) or 326 IAC 2-7-12 (Permit Modification) prior to operating the approved modification.~~

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

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

Change 16 Previous Condition B.21 is now Condition B.22.

B.242 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1] **[IC-13-17-3-2]**

Change 17 Previous Condition B.22 is now Condition B.23.

B.223 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

Change 18 Previous Conditions B.23 and B.24 are now Conditions B.24 and B.25 respectively.

B.234 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

B.245 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

Change 19 The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Condition C.1 has been revised which contained these requirements.

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

~~(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~

(b) 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. ~~This condition is not federally enforceable.~~

Change 20 The last sentences in Condition C.3 (Open Burning) and Condition C.4 (Incinerator) have been deleted because this condition is now federally enforceable and is included in Indiana's State Implementation Plan (SIP).

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

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

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

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

Change 21 "Pressure Gauge and Other" has been deleted from the citation for Condition C.14 (now C.15). Subsequent conditions have been renumbered since a new Condition C.13 - Maintenance of Continuous Emission Monitoring Equipment was added to this section.

C.145 ~~Pressure Gauge and Other~~ Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)]
[326 IAC 2-7-6(1)]

Change 22 Condition C.15 (now C.16)- Emergency Reduction plans has been updated and Condition C.17 (now C.18) - Response to Excursion and Exceedances has been renumbered. Subsequent conditions in the permit have been renumbered.

C.156 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- ~~(a) The Permittee prepared and submitted a written emergency reduction plan (ERP) consistent with safe operating procedures. Revised ERPs were submitted on June 25, 1998, and December 28, 1998.~~
- ~~(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]~~

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

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

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

within ninety (90) days after the date of issuance of this permit.

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

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.**
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.**
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.**

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

C.187 Response to Exceedances or Excursions [326 IAC 2-7-5] [326 IAC 2-7-6]

Change 23 On January 22, 2008 U.S. EPA promulgated a rule to address the remand, by the U.S. Court of Appeals for the District of Columbia on June 25, 2005, of the reasonable possibility provisions of the December 31, 2002 major NSR reform rule. IDEM has agreed, with U.S. EPA, to interpret "reasonable possibility" in 326 IAC 2-2 and 326 IAC 2-3 consistent with the January 22, 2008 U.S. EPA rule. To implement this interpretation, IDEM is revising Section C - General Record Keeping Requirements and Section C - General Reporting Requirements.

C.210 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (c) **If there is a 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.**

Change 24 IDEM has updated Condition C.21 (now C.23) - General Reporting Requirements.

C.242 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] **[326 IAC 2-2]
[326 IAC 2-3]**

- (e) ~~The first report shall cover the period commencing on the date of issuance of this permit 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 (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
Air Compliance Section, 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.

Change 25 Subsection (d) of Condition C.22 (now C.23)- Compliance with 40 CFR 82 and 326 IAC 22-1 has been deleted from the permit.

C.223 Compliance with 40 CFR 82 and 326 IAC 22-1

~~(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.~~

Change 26 The monitoring of the exhaust for the fuel oil boiler has been revised to once per day and the Compliance Response Plan has been revised to Excursion and Exceedances. A new subsection has been added to Condition D.1.10 (now D.7). Most of the conditions have been renumbered

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

D.1.107 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(eb) 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.

(be) If abnormal emissions are observed at any boiler exhaust, the Permittee shall take reasonable response steps in accordance with Section C - **Response to Excursions or Exceedances Compliance Response Plan—Preparation, Implementation, Records, and Reports**. Observation of abnormal emissions that do not violate 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 Compliance Response Plan-
Preparation, Implementation, Records, and Reports, shall be considered a deviation from
this permit.~~

Change 27 The Visible Emission Notation has been added to the Record Keeping Requirements and the Compliance for Preventive maintenance Plan has been deleted from Condition D.1.11.

D.1.118 Record Keeping Requirements [326 IAC 2-7-5(3)]

- (a) To document compliance with the applicable opacity limits and Conditions D.1.1, **and** D.1.2, ~~and D.1.10~~, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the opacity and particulate limits established in Section C - Opacity and Conditions D.1.1 and D.1.2.
- (c) **To document compliance with Condition D.1.10, the Permittee shall maintain daily records of the visible emission notations of the Boiler stack exhaust. The Permittee shall include in its daily 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).**

Change 28 The testing requirement has been updated. Subsequent conditions in this Section have been renumbered.

D.2.64 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~By December 31 of the second calendar year following the most recent stack test, or within 180 days after issuance of this permit, whichever is later, In order to determine~~ compliance with the PM limitation in Condition D.2.1(b) **for each units (Units 3, 4, 5 and 6), the Permittee shall conduct before October 2009** ~~be determined by a performance stack test conducted~~ utilizing methods as approved by the Commissioner. This testing shall be repeated **at least once every two (2) years following this valid compliance demonstration.** ~~by December 31 of every second calendar year following this 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.~~

Change 29 The citation for Condition D.4.1 has been updated. Conditions D.4.2 has been deleted from the permit as per the appeal resolution and subsequent conditions have been renumbered. The subsections in Condition D.4.3 (now D.4.2) have been rearranged. Subsequent conditions in this Section have been renumbered.

D.4.1 Particulate Emission Limitations for manufacturing Processes [326 IAC 6-3-2]

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

D.4.32 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (ed) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.
- (fe) 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.

- (gf) 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.

- (dg) If abnormal emissions are observed at a transfer point exhaust or crusher exhaust or from the coal unloading, the Permittee shall take reasonable response steps in accordance with Section C - **Response to Excursions or Exceedances Compliance Response Plan – Preparation, Implementation, Records, and Reports**. ~~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.~~ Failure to take response steps in accordance with Section C - **Response to Excursions or Exceedances Compliance Response Plan – Preparation, Implementation, Records, and Reports**, shall be considered a deviation from this permit.

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

D.4.34 Record Keeping Requirements

- ~~(a) To document compliance with Section C – Opacity and Condition D.4.3, the Permittee shall maintain records of the visible emission notations of the rail car unloading, coal crusher exhausts points, any coal transfer exhaust points, and all response steps taken and the outcome for each.~~

- (a) **To document compliance with Condition D.4.2, the Permittee shall maintain weekly records of the visible emission notations of the rail car unloading, crusher and coal transfer exhaust. 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 week).**

Change 30 Previous Section D.5 (now Section D.6) with Conditions D.5.3 (now D.6.2) and D.5.4 (now D.6.3), have been revised.

SECTION D.56 FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Insignificant Activities: <ul style="list-style-type: none">(1) Wet process ash handling, with hydroveyors conveying ash to storage ponds.(2) Poned ash handling/removal operations.(3) Truck traffic on Paved road to and from the Silo. (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)
--

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

D.56.1 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.56.23 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (eb) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.
- (ec) 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.
- (ed) 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.
- (ee) 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 Compliance Response Plan - Preparation, Implementation, Records, and Reports**. Failure to take response steps in accordance with Section C - **Response to Excursions or Exceedances Compliance Response Plan - Preparation, Implementation, Records, and Reports**, shall be considered a deviation from this permit.

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

D.56.34 Record Keeping Requirements

- ~~(a) To document compliance with Conditions D.5.1 and D.5.3, the Permittee shall maintain records of visible emission notations of the fly ash storage pond area(s).~~
- (a) **To document compliance with Condition D.6.2, the Permittee shall maintain daily records of the visible emission notations of the fly ash storage pond area(s) exhaust. The Permittee shall include in its daily 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.5.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- (eb) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Change 31 A new Section F: The Nitrogen Oxides Budget Trading Program from Permit No. T109-17040-00004, issued on September 22, 2006 has been added to this Operating permit.

SECTION F Nitrogen Oxides Budget Trading Program - NO_x Budget Permit for NO_x Budget Units Under 326 IAC 10-4-1(a)

ORIS Code: 991

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.)
.....

Change 32 Permits Branch and Compliance Branch is MC 61-53 IGCN 1003. The Asbestos Section is MC 61-52 IGCN 1003 and Technical Support and Modeling Section is MC 61-50 IGCN 1003. The addresses were updated throughout the permit.

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue ~~P.O. Box 6015~~
MC61-52 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue ~~P.O. Box 6015~~
MC61-50 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Change 34 IDEM has determined that it is not necessary to include the name or title of the responsible official in Section A.1 of the permit.

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

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

.....
Source Address: 4040 Blue Bluff Road, Martinsville, Indiana, 46151
Mailing Address: 4040 Blue Bluff Road, Martinsville, Indiana, 46151
Source Telephone: 765-349-3413
SIC Code: 4911
County Location: Morgan
County Status: **Nonattainment for PM 2.5**
~~Nonattainment for ozone under the 8-hour standard~~
Attainment for all other criteria pollutants
Source Status: Part 70 **Operating** Permit Program
.....

Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 109-26608-00004 and Significant Permit Modification No. 109-26612-00004. The staff recommends to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

Appendix A: Emissions Calculations

Emission Summary

Source Name: IPL Eagle Valley Generating Station
Source Location: 4040 Blue Bluff Road, Martinsville, IN 46151
Permit Number: SSM 109-26608-00004
Permit Reviewer: Josiah Balogun
Date: 6-Jun-2008

Uncontrolled Potential Emissions

	PM (tons/yr)	PM₁₀ (tons/yr)	SO₂ (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Fly Ash storage and handling system							
Fly Ash Conveyance and Silo Storage	164.25	74.9	0	0	0	0	0.03
Truck Loading	0.53	0.25	0	0	0	0	1.16E-04
Paved Road	7.19	1.4	0	0	0	0	0
Total Emissions	171.97	76.55	0	0	0	0	0.030

Limited Potential Emissions

	PM (tons/yr)	PM₁₀ (tons/yr)	SO₂ (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Fly Ash storage and handling system							
Fly Ash Conveyance and Silo Storage	17.1	13.14	0	0	0	0	0.03
Truck Loading	0.53	0.25	0	0	0	0	1.16E-04
Paved Road	7.19	1.4	0	0	0	0	0
Total Emissions	24.8	14.8	0	0	0	0	Single < 10, Total < 25

Source Name: IPL Eagle Valley Generating Station
Source Location: 4040 Blue Bluff Road, Martinsville, IN 46151
Permit Number: SSM 109-26608-00004
Permit Reviewer: Josiah Balogun
Date: 6-Jun-2008

PM and PM-10

Maximum throughput of fly ash: 10 tons/hr
 PM Emission factor*: 3.14 lbs/ton
 PM-10 Emission factor*: 1.1 lbs/ton
 Control Efficiency: 99.9%
PTE PM: 137.532 tons/yr
Controlled PTE PM: 0.137532 tons/yr
PTE PM-10: 48.18 tons/yr
Controlled PTE PM-10: 0.04818 tons/yr

HAP Speciation

HAP	Concentration (ppm)**	PTE (tons/yr)	Controlled PTE (tons/yr)
Arsenic	52	0.007152	7.1517E-06
Beryllium	3	0.000413	4.126E-07
Cadmium	4	0.00055	5.5013E-07
Chromium	39	0.005364	5.3637E-06
Cobalt	8	0.0011	1.1003E-06
Lead	22	0.003026	3.0257E-06
Manganese	59	0.008114	8.1144E-06
Mercury	0	0	0
Nickel	32	0.004401	4.401E-06
Total		0.03012	3.012E-05

*Based on AP-42 Table 11.12-2 - pneumatic conveyance of cement supplement (including fly ash) to silo.

**Based on analysis of fly ash sample conducted at IPL Petersburg (See Permit No. 21340)

Methodology

$PTE\ PM/PM-10\ (tons/yr) = throughput\ (lbs/hr) * PM/PM-10\ EF\ (lb/ton) * 1\ ton / 2000\ lbs * 8760\ hrs / yr$

$Controlled\ PTE\ (tons/yr) = PTE\ (tons/yr) * (1 - control\ efficiency\ (\%))$

$PTE\ HAP\ (tons/yr) = PTE\ PM\ (tons/yr) * Concentration\ (ppm) / 1e6$

Appendix A: Emissions Summary Sheet Page 3 of 5 TSD APP A

Company Name: IPL Eagle Valley Generating Station

Address City IN Zip: 4040 Blue Bluff Road, Martinsville, IN 46151

Permit Number: SSM 109-26608-00004

Reviewer: Josiah Balogun

Date: April 28, 2008

PM/PM10 Emissions

Process	Throughput (ton/yr)	PM Emission Factor (lb/ton)	PTE of PM (ton/yr)	PM10 Emission Factor (lb/ton)	PTE of PM10 (ton/yr)	Overall Control Efficiency (%)	PM after Control (ton/yr)	PM10 after Control (ton/yr)
Ash Silo Storage	87,600.00	0.61	26.72	0.61	26.72	99.9%	0.03	0.03

Methodology

Uncontrolled PM/PM10 emissions = Throughput (tons/yr) X Emission Factor X (1 tons/2000lb)

Controlled PM/PM10 Emissions = Uncontrolled X (1-Control Efficiency)

Emission factor from SCC # 3-05-016-26

Source Name: IPL Eagle Valley Generating Station
Source Location: 4040 Blue Bluff Road, Martinsville, IN 46151
Permit Number: SSM 109-26608-00004
Permit Reviewer: Josiah Balogun
Date: 6-Jun-2008

**** truck loading ****

The following calculations determine the amount of emissions created by loading ash into trucks based on 8760 hours of use and AP-42, Ch 13.2.4

			10.0 tons ash per hour		
For PM-2.5	For PM	For PM-10			
0.0009	0.012	= 0.0057 lb/ton			
0.053	0.74	where k = 0.35 particle size multiplier			
8.3	8.3	U = 8.3 mean wind speed			
1	1	m = 1 moisture content (%)			
		0.012 lb/ton x 87600 tons/yr =			
		2000 lb/ton		PM	0.53 tons/yr
		0.006 lb/mi x 87600 mi/yr =		PM-10	0.25 tons/yr
		2000 lb/ton			
		0.0009 lb/mi x 87600 mi/yr =		PM-2.5	0.04 tons/yr
		2000 lb/ton			

HAP Speciation

HAP	Concentration (ppm)**	PTE (tons/yr)
Arsenic	52	2.750690E-05
Beryllium	3	1.586937E-06
Cadmium	4	2.115915E-06
Chromium	39	2.063018E-05
Cobalt	8	4.231831E-06
Lead	22	1.163753E-05
Manganese	59	3.120975E-05
Mercury	0	#####
Nickel	32	1.692732E-05
Total		1.158464E-04

