



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: September 5, 2007
RE: Crawfordsville Electric Light and Power / 107-22786-00003
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) 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.

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

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

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

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
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Mr. Stephen L. Gillan
Crawfordsville Electric Light & Power
700 Lafayette Road,
Crawfordsville, Indiana 47933

September 5, 2007

Re: 107-22786-00003
First Significant Permit Modification to
Part 70 Permit No. 107-6495-00003

Dear Mr. Gillan:

Crawfordsville Electric Light & Power was issued a Part 70 Permit on August 1, 2003 for a stationary electric generating station. A letter requesting changes to the Part 70 Permit was received on March 13, 2006.

Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document. All other conditions of the permit shall remain unchanged and in effect. Please find attached the revised Part 70 permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Surya Ramaswamy, at (973) 575-2555, ext. 3216 or dial (800) 451-6027, and ask for extension 3-6878.

Original signed by,

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments
KSR/EVP

cc: File – Montgomery County
U.S. EPA, Region V
Montgomery County Health Department
Air Compliance Section Inspector – Dan Hancock
Compliance Data Section
Administrative and Development
IDEM Southwest Regional Office



Mitchell E. Daniels, Jr.
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100 North Senate Avenue
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Part 70 Operating Permit OFFICE OF AIR QUALITY

**Crawfordsville Electric Light and Power
700 Lafayette Road
Crawfordsville, Indiana 47933**

(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.

Operation Permit No.: T107-6495-00003	
Issued by: Original Signed by Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: August 1, 2003 Expiration Date: August 1, 2008
First Administrative Amendment No.: 107-20579-00003, issued on January 27, 2005	
First Significant Permit Modification No.: T107-22786-00003 Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 5, 2007 Expiration Date: August 1, 2008

TABLE OF CONTENTS

A	SOURCE SUMMARY.....	5
A.1	General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]	
A.3	Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]	
A.4	Part 70 Permit Applicability [326 IAC 2-7-2]	
B	GENERAL CONDITIONS.....	7
B.1	Definitions [326 IAC 2-7-1]	
B.2	Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-7-7(a)]	
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)]	
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	
B.17	Permit Renewal [326 IAC 2-7-4]	
B.18	Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]	
B.19	Permit Revision Under Economic Incentives and Other Programs	
B.20	Operational Flexibility [326 IAC 2-7-20]	
B.21	Inspection and Entry [326 IAC 2-7-6(2)]	
B.22	Source Modification Requirement [326 IAC 2-7-10.5]	
B.23	Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]	
B.24	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]	
B.25	Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]	
C	SOURCE OPERATION CONDITIONS.....	18
	Emission Limitations and Standards [326 IAC 2-7-5(1)]	
C.1	Particulate Emission Limitations For Processes with Process Weight Rates	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.4	Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Stack Height [326 IAC 1-7]	
C.7	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]	
	Testing Requirements [326 IAC 2-7-6(1)]	
C.8	Performance Testing [326 IAC 3-6]	
	Compliance Requirements [326 IAC 2-1.1-11]	
C.9	Compliance Requirements [326 IAC 2-1.1-11]	
	Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]	
C.10	Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]	

- C.11 Maintenance of Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]
- C.12 Monitoring Methods [326 IAC 3]
- C.13 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]
- C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
- C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]

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

- C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]
- C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)]
- C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

Stratospheric Ozone Protection

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

D.1 FACILITY OPERATION CONDITIONS - Two (2) Boilers (unit 5 and unit 6) 26

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

- D.1.1 Particulate Emissions Limitations for Sources of Indirect Heating [326 IAC 6-2-3(d)]
- D.1.2 Opacity Exemption [326 IAC 5-1-3]
- D.1.3 Sulfur Dioxide Emissions Limitations [326 IAC 7-1.1-2]
- D.1.4 NESHAP Minor Limit [40 CFR Part 63, Subpart A] [40 CFR Part 63, Subpart DDDDD] [326 IAC 20-1]
- D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.1.6 HAP Emissions
- D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]
- D.1.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]
- D.1.9 Operation of Multiclone [326 IAC 2-7-6(6)]
- D.1.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-1.1-2]
- D.1.11 Chlorine Concentration

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

- D.1.12 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.1.13 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.1.14 Monitoring: Multiclone [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.1.15 Record Keeping Requirements
- D.1.16 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Coal and Ash handling operations..... 35

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

- D.2.1 Particulate Emission Limitations [326 IAC 6-3-2]
- D.2.2 Particulate Emission Limitations [326 IAC 6-3-2]

Compliance Determination Requirements

- D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]
- D.2.4 Particulate Matter (PM) Control [326 IAC 2-7-6(6)]

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

- D.2.5 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.2.6 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
- D.2.7 Broken or Failed Bag Detection [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.2.8 Record Keeping Requirements

D.3 FACILITY OPERATION CONDITIONS - Diesel Generator..... 38

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

- D.3.1 Prevention of Significant Deterioration [326 IAC 2-2] [40 CFR 52.21]

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

- D.3.2 Record Keeping Requirements
- D.3.3 Reporting Requirements

Certification	39
Emergency Occurrence Report	40
Quarterly Report	42
Quarterly Deviation and Compliance Monitoring Report	43
Quarterly Report.....	45
Quarterly Report.....	46

SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary electric generating station

Source Address:	700 Layfayette Road, Crawfordsville, Indiana 47933
Mailing Address:	808 Layfayette Rd., P.O. Box 428, Crawfordsville, IN 47933.
General Source Phone Number:	317 362-1900
SIC Code:	4911
County Location:	Montgomery
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Major Source, under PSD Rules Minor 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 portable source consists of the following emission units and pollution control devices:

- (a) One (1) spreader stoker coal-fired boiler, identified as Unit 5, constructed in 1955, rated at 175 million Btu per hour heat input, used to generate electricity. Particulate emissions are controlled by a multiclone mechanical separator, emissions are measured with a continuous opacity monitor. Controlled emissions are exhausted to the atmosphere through a 192 foot (above grade) stack having an 84 inch exit diameter. This boiler also has a 53 mmBtu per hour natural gas burner for start-up, boiler flame control and stabilization; and opacity control.
- (b) One (1) spreader stoker coal-fired boiler, identified as Unit 6, constructed in 1965, rated at 192 million Btu per hour heat input, used to generate electricity. Particulate emissions are controlled by an electrostatic precipitator and a multiclone mechanical separator, emissions are measured with a continuous opacity monitor. Controlled emissions are exhausted to the atmosphere through a 198 foot (above grade) stack having a 96 inch exit diameter.
- (c) Coal and ash storage and handling consisting of the following systems:
 - (1) One (1) 1.13 acre outdoor coal storage pile with a storage capacity of 18,700 tons and a maximum annual throughput of 140,000 tons per year.
 - (2) One (1) coal unloading system which consists of end dump semi trailer trucks with a maximum throughput of 110 tons per hour and a maximum annual throughput of 140,000 tons per year.
 - (3) One (1) coal reclaim, transfer and conveying system, which has internal storage silos with a capacity of 700 tons. The method of handling is manual (Pay Loader) Transfer to reclaim hopper, followed by conveyor transfer to bunkers, storage capacity for the external coal bunker is 100 tons. The maximum throughput is 200 tons per hour and 140,000 tons per year.

- (4) One (1) ash handling load out system with inside storage and wetting and a storage capacity of 100 tons. The maximum throughput is 50 tons per hour and 21,000 tons per year. The dust during silo load out to the trucks is controlled with pug mill wetting and spray bars.
- (5) One (1) ash handling load in system with enclosed silo storage and a storage capacity of 100 tons. Emissions are controlled by a baghouse. The maximum throughput is 14 tons per hour and 21,000 tons per year.
- (d) One (1) 1000-kilowatt Black Start electricity emergency generator utilizing one (1) 10 mmBtu/hr piston-driven internal combustion engine operating on #2 diesel fuel.
- (e) Fugitive emissions from vehicle traffic. A combination of roads include asphalt and unpaved crushed stone road surfaces. There are light duty trucks, dump trucks and passenger cars. Wet spray is used during dry weather to control dust blowing.

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 does not currently have any specifically regulated insignificant activities, as defined in 326 IAC 2-7-1(21).

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T107-6495-00003, 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 the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.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 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;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the 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) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs 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.

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

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

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

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

B.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][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T107-6495-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit 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 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, 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 the 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 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
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 limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

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

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

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]

The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

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

B.21 Source Modification Requirement [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 2-3-2.

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records 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.
- (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 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 nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

C.6 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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

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

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

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

- (a) 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.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

Unless otherwise specified in this permit, 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.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.
 - (1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
 - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
 - (3) Method 9 readings may be discontinued once a COMS is online.
 - (4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, (and 40 CFR 60 and/or 40 CFR 63).

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on October 21, 2003.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

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

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

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

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

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

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

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

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

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require 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.19 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner 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 "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1(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.
 - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by "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 "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing Electric Utility Steam Generating Unit, then for that project the Permittee shall:
- (1) Submit to IDEM, OAQ a copy of the information required by (c)(1) in Section C- General Record Keeping Requirements
 - (2) Submit a report to IDEM, OAQ within sixty (60) days after the end of each year during which records are generated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements. The report shall contain all information and data describing the annual emissions for the emissions units during the calendar year that preceded the submission of report.

Reports required in this part shall be submitted to:

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

- (g) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit other than Electric Utility Steam Generating 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).
- (h) The report for project at an existing emissions unit other than Electric Utility Steam Generating Unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

- (i) 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.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (1) One (1) spreader stoker coal-fired boiler, identified as Unit 5, constructed in 1955, rated at 175 million Btu per hour heat input, used to generate electricity. Particulate emissions are controlled by a multiclone mechanical separator, emissions are measured by a continuous opacity monitor. Controlled emissions are exhausted to the atmosphere through a 192 foot (above grade) stack having an 84 inch exit diameter. This boiler also has a 53 mmBtu per hour natural gas burner for start-up, boiler flame control and stabilization; and opacity control.
- (2) One (1) spreader stoker coal-fired boiler, identified as Unit 6, constructed in 1965, rated at 192 million Btu per hour heat input, used to generate electricity. Particulate emissions are controlled by an electrostatic precipitator and a multiclone mechanical separator, emissions are measured by a continuous opacity monitor. Controlled emissions are exhausted to the atmosphere through a 198 foot (above grade) stack having a 96 inch exit diameter.

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

Pursuant to 326 IAC 6-2-3(d) (Particulate Emission Limitations for Sources of Indirect Heating), particulate matter from any facility used for indirect heating purposes which were existing on or before June 8, 1972, shall in no case exceed 0.8 lb/mmBtu heat input.

D.1.2 Opacity Exemption [326 IAC 5-1-3]

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

Unit 5

- (1) When building a new fire in a boiler, opacity may exceed the 40% opacity limitation for a period not to exceed thirty (30) minutes (five (5) six (6)-minute averaging periods), with opacity not to exceed eighty (80) percent.
- (2) When shutting down a boiler, opacity may not exceed sixty (60) percent 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 hour period.

Unit 6

- (1) When building a new fire in a boiler, opacity may exceed the 40% opacity limitation for a period not to exceed thirty six (36) minutes (six (6)-minute averaging periods), with opacity not to exceed eighty (80) percent.
- (2) When shutting down a boiler, opacity may not exceed sixty (60) percent 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 hour period.
- (3) Operation of the electrostatic precipitator is not required during these times unless necessary to comply with these limits.

- (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 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 periods in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6)-minute averaging periods in a twelve (12) hour period.

D.1.3 Sulfur Dioxide Emissions Limitations [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO₂ emissions from either unit 5 or unit 6 shall not exceed 6.0 pounds per million Btu (lbs/mmBtu).

D.1.4 NESHAP Minor Limit [40 CFR Part 63, Subpart A] [40 CFR Part 63, Subpart DDDDD] [326 IAC 20-1]

- (a) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited, such that the emissions of each individual hazardous air pollutant are less than 9.90 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited such that the sum of the individual hazardous air pollutant annual emissions calculated in accordance with condition D.1.6 (a) of this permit and the combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride is less than 24.90 tons of total HAPs per twelve (12) consecutive month period with compliance determined at the end of each month.

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.6 HAP Emissions

Compliance with the HAP limits in condition D.1.4 shall be demonstrated using the following equations.

- (a) Monthly hazardous air pollutant emissions shall be calculated using equations (1) through (6):

- (1) The Hydrogen Chloride emissions shall be calculated according to the following equation:

$$E_{HCl} = 1.028 * CE_{Cl} * C_{Cl} * Q_{Coal} \dots \dots \dots \text{Equation (1)}$$

Where

- E_{HCl} = Emissions of Hydrogen Chloride in tons per month
- CE_{HCl} = Controlled Emission fraction for HCl, assumed to be 1.00 (i.e., uncontrolled), unless a different value is established by stack test or other method approved by the Commissioner
- 1.028 = Molecular weight ratio of Hydrogen Chloride to Chlorine
- C_{Cl} = Chlorine concentration in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (2) The Antimony emissions shall be calculated according to the following equation:

$$E_{Sb} = CE_{Sb} * C_{Sb} * Q_{Coal} \dots \dots \dots \text{Equation (2)}$$

Where

- E_{Sb} = Emissions of Antimony in tons per month
- CE_{Sb} = Controlled Emission fraction for Antimony, assumed to be 0.37 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Sb} = Antimony content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (3) The Chromium emissions shall be calculated according to the following equation:

$$E_{Cr} = CE_{Cr} * C_{Cr} * Q_{Coal} \dots \dots \dots \text{Equation (3)}$$

Where

- E_{Cr} = Emissions of Chromium in tons per month
- CE_{Cr} = Controlled Emission fraction for Chromium, assumed to be 0.47 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Cr} = Chromium content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (4) The Cobalt emissions shall be calculated according to the following equation:

$$E_{Co} = CE_{Co} * C_{Co} * Q_{Coal} \dots \dots \dots \text{Equation (4)}$$

Where

- E_{Co} = Emissions of Cobalt in tons per month
- CE_{Co} = Controlled Emission fraction for Cobalt, assumed to be 0.54 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Co} = Cobalt content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (5) The Manganese emissions shall be calculated according to the following equation:

$$E_{Mn} = CE_{Mn} * C_{Mn} * Q_{Coal} \dots \dots \dots \text{Equation (5)}$$

Where

- E_{Mn} = Emissions of Manganese in tons per month
- CE_{Mn} = Controlled Emission fraction for Manganese, assumed to be 0.41 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Mn} = Manganese content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (6) The Nickel emissions shall be calculated according to the following equation:

$$E_{Ni} = CE_{Ni} * C_{Ni} * Q_{Coal} \dots \dots \dots \text{Equation (6)}$$

Where

- E_{Ni} = Emissions of Nickel in tons per month
- CE_{Ni} = Controlled Emission fraction for Nickel, assumed to be 0.27 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Ni} = Nickel content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (b) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited such that the sum of the individual hazardous air pollutant annual emissions calculated in accordance with condition D.1.6 (a) of this permit and the combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride is less than 24.90 tons of total HAPs per twelve (12) consecutive month period.

The combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride shall be calculated according to the following equation:

$$E_{Comb} = \sum C_{Comb} * Q_{Coal} \dots \dots \dots \text{Equation (7)}$$

Where

- E_{Comb} = Combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride
- C_{Comb} = HAP content in coal (Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Selenium, and Hydrogen Fluoride), dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per year

To demonstrate compliance with the above emission limits, the Permittee shall calculate HAP emissions for each pollutant based on the type of coal and coal consumption.

Compliance with these HAP limits, in conjunction with the potential HAP emissions from the coal handling, ash handling and emergency generator will limit the source-wide single HAP and total HAP emissions to less than 10 and 25 tons per twelve (12) consecutive month period, respectively. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 326 IAC 20, (40 CFR Part 63, Subpart DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters)) do not apply to this source.

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

- (a) The Permittee shall perform a stack test using methods as approved by the commissioner, to show compliance with the PM limitation in Condition D.1.1 before December 31, 2007. This test shall be repeated by December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C-Performance Testing.
- (b) The Permittee shall perform testing for HCl, Antimony, Chromium, Cobalt, Manganese, and Nickel listed in Section 1.6(a) of this permit before December 31, 2007. This test shall be repeated by December 31 of every second calendar year following the most recent valid compliance demonstration. Testing shall be in accordance with Section C-Performance Testing.

D.1.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitator for unit 6 shall be operated at all times that the boiler vented to the ESP is in operation.

D.1.9 Operation of Multiclone [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the multiclone for unit 5 shall be operated at all times that the boiler is in operation.

D.1.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1, the Permittee shall demonstrate that the sulfur dioxide emissions from unit 5 or unit 6 do not exceed the equivalent of 6.0 pounds per mmBtu demonstrated using a calendar month average. Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:

- (1) Pursuant to 326 IAC 3-7-2(b)(1), the Permittee shall comply with the requirements specified in 326 IAC 3-7-2(a); or
- (2) Pursuant to 326 IAC 3-7-2(b)(2) and 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
- (3) Pursuant to 326 IAC 3-7-2(b)(3), the Permittee shall meet the following minimum requirements:
 - (A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system.
 - (B) 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 or burned during the preceding eight (8) hour period.
 - (C) Minimum sample size shall be five hundred (500) grams.
 - (D) Samples shall be composited and analyzed at the end of each calendar month.

For options (a)(1) and (a)(3) of this condition, the coal samples shall be prepared as specified in 326 IAC 3-7-2(c), the heat content of the coal samples shall be determined as specified in 326 IAC 3-7-2(d), and the sulfur content of the coal samples shall be determined pursuant to 3-7-2(e).

(b) Compliance with the emission limitations contained in 326 IAC 7 may be determined by conducting a stack test for sulfur dioxide emissions from the boiler in accordance with 326 IAC 3-6, utilizing the procedures in 40 CFR 60, Appendix A, Method 6, 6A, 6C, or 8. [326 IAC 7-2-1(d)]

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method. [326 IAC 7-2-1(f)]

- (c) Upon written notification to IDEM by a facility owner or operator, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5-1 may be used as the means for determining compliance with the emission limitations in 326 IAC 7-2. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.1.11 Chlorine Content

- (a) The coal consumption (Q_{coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.
- (b) Coal sampling for determining chlorine concentration identified in Condition D.1.6 (a)(1) shall be performed using the procedures required in the Condition D.1.10(a)(3) or by the fuel supplier as specified in (e).
- (c) Coal samples shall be analyzed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned.
- (d) Samples shall be composited as required in Condition D.1.10. The samples shall be analyzed for total chlorine and moisture using one of the following methods:
 1. ASTM D6721-01 Standard Test Method for Determination of Chlorine in Coal by Oxidative Hydrolysis Microcoulometry.
 2. ASTM D4208-02 Standard Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method.
 3. ASTM D2361-02 Standard Test Method for Chlorine in Coal.
 4. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 5. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (e) The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:
 1. ASTM D6721-01 Standard Test Method for Determination of Chlorine in Coal by Oxidative Hydrolysis Microcoulometry.
 2. ASTM D4208-02 Standard Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method.
 3. ASTM D2361-02 Standard Test Method for Chlorine in Coal.
 4. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 5. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.

D.1.12 Hazardous Air Pollutant Emissions

- (a) The coal consumption (Q_{Coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.

- (b) Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (a) shall be performed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned, and analyzed, using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
- (c) Except for Radionuclides, coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (b) shall be performed quarterly and analyzed using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
- (d) Except for Radionuclides, the samples shall be analyzed for the trace HAP substances identified in condition D.1.6 and moisture using one of the following methods:
 - 1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.
 - 2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 - 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (e) The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:
 - 1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.
 - 2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 - 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (f) Radionuclide emissions will be calculated based on an emission factor of 285 pounds per trillion Btu of coal combusted. This emission factor is based on uncontrolled emissions of Uranium and Thorium, and Uranium and Thorium concentrations of 1.24 and 2.18 ppm, respectively, from the U.S. EPA report, study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units - Final Report to Congress, EPA-453/R-98-004a, February 1998, Table 9-1.

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

D.1.13 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, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary and secondary voltages and the currents of the transformer rectifier (T-R) sets.
- (b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever more than one of T-R sets is out of service. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.14 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) In the event of opacity for Unit 5 exceeding thirty percent (30%) average opacity for three (3) consecutive six (6) minute averaging periods or the opacity for Unit 6 exceeding twenty percent (20%) average opacity for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken such that the causes of the excursion are identified and corrected and opacity levels are brought back below thirty percent (30%) for Unit 5 and twenty percent (20%) for Unit 6. Examples of expected corrective actions include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service.
- (b) Opacity readings in excess of thirty percent (30%) for Unit 5 or twenty percent (20%) for Unit 6 but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.15 Monitoring: Multiclone [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The ability of the multiclone to control particulate emissions from Unit 5 shall be monitored at least once per day, when the unit is in operation, by measuring and recording the total static pressure drop across the multiclone. Pressure drop monitoring equipment shall be installed in accordance with Section C - Compliance Monitoring.
- (b) Normal operating range will be determined within the first two hundred (200) hours of boiler operation after installation of the pressure drop monitoring equipment. The IDEM shall be notified within the first two hundred (200) hours of this determination.
- (c) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the static pressure drop is outside of the normal operating range for the corresponding boiler steam load. A pressure drop reading that is outside normal range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered deviation from of this permit.

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

D.1.16 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.3 and D.1.10, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be sufficient to demonstrate compliance using a calendar month average and shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.3.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual coal usage since last compliance determination period;
 - (3) Sulfur content and heat content; and
 - (4) Sulfur dioxide emission rates.
- (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.
- (c) To document compliance with Section C - Opacity and Conditions D.1.1, D.1.2, D.1.5, D.1.7, D.1.13, D.1.14, D.1.15, D.1.16, and D.1.17, the Permittee shall maintain records in accordance with (1) through (5) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C – Opacity and in Conditions D.1.1 and D.1.2.

- (1) Data and results from the most recent stack test;
 - (2) All continuous emissions monitoring data, pursuant to 326 IAC 3-5;
 - (3) All parametric monitoring readings;
 - (4) Records of the results of the ESP and multiclone inspections; and
 - (5) All preventive maintenance measures taken
- (d) To document compliance with Conditions D.1.6, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be sufficient to establish a 12 consecutive month annual emissions rate and shall be complete and sufficient to demonstrate compliance with the HAP limits established in Condition D.1.6.
- (1) Actual coal usage since last compliance determination period and records of stack test results and all calculations per Condition D.1.6;
 - (2) Chlorine concentration and Moisture Content in the coal;
 - (3) Each monthly analysis of the Antimony, Chlorine, Chromium, Cobalt, Manganese, and Nickel content of the coal.
- (e) The Permittee shall maintain records of coal sampling analyses as required in Condition D.1.12(c) on quarterly basis.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.17 Reporting Requirements

- (a) A quarterly summary report of opacity exceedances and a quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) A quarterly summary of the information to document compliance with Condition D.1.6(a) and (b) 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.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Coal and ash storage and handling consisting of the following systems:

- (a) One (1) 1.13 acre outdoor coal storage area with a storage capacity of 18,700 tons and a maximum annual throughput of 140,000 tons per year.
- (b) One (1) coal unloading system which consists of end dump semi trailer trucks with a maximum throughput of 110 tons per hour and a maximum annual throughput of 140,000 tons per year.
- (c) One (1) coal reclaim, transfer and conveying system, which has an internal storage silos with a capacity of 700 tons. The method of handling is manual (Pay Loader) Transfer to reclaim hopper, followed by conveyor transfer to bunkers, storage capacity for the external coal bunker is 100 tons. The maximum throughput is 200 tons per hour and 140,000 tons per year.
- (d) One (1) ash handling load out system with inside storage and wetting and a storage capacity of 100 tons. The maximum throughput is 50 tons per hour and 21,000 tons per year. The dust during silo load out to the trucks is controlled with pug mill wetting and spray bars.
- (e) One (1) ash handling load in system with enclosed silo storage and a storage capacity of 100 tons. Emissions are controlled by a baghouse. The maximum throughput is 14 tons per hour and 21,000 tons per year. The dust during pneumatic conveying is controlled with a primary cyclone ash separator/fabric filter baghouse.

(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.2.1 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the coal unloading and the reclaim, transfer and conveying system shall not exceed 58.5 pounds per hour when operating at a process weight rate of 200 tons per hour.

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

Interpolation 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:

$$E = 55.0P^{0.11} - 40$$

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

D.2.2 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the ash load out and load in system shall not exceed 44.6 pounds per hour when operating at a process weight rate of 50 tons per hour.

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

Interpolation 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:

$$E = 55.0P^{0.11} - 40$$

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

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B- Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.2.4 Particulate Matter (PM) Control [326 IAC 2-7-6(6)]

- (a) The baghouse for PM control shall be in operation at all times when the ash load in operations are in operation and exhausting to the outside atmosphere.
- (b) The pug mill wetting and spray bars shall be in operation at all times when the ash handling load out system is in operation.

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

D.2.5 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the baghouse stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the ash handling system, coal unloading system, coal storage area and coal transfer system shall be performed at least once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (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.
- (f) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances.
- (g) If abnormal emissions are observed at any baghouse exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. 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, shall be considered deviation from of this permit.

- (h) If any visible emissions of dust are observed from the coal unloading station doorways, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of visible emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions) or an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered deviation from of this permit.

D.2.6 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse used in conjunction with the ash load-in system at least once per day when the ash load in is in operation when venting to the atmosphere. When for any one reading during the collection cycle of the ash load-in system the pressure differential across the baghouse exhibits a reading outside of the normal range of 3.0 to 27.0 inches of water, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C- Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.2.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of the once per day visible emission notations of the baghouse stack exhaust.
- (b) To document compliance with Conditions D.2.6, the Permittee shall maintain the following:
 - (1) Records of the total static pressure drop readings across the baghouse; and
 - (2) Records of the results of the baghouse inspections.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (1) A 1000-kilowatt Black Start electricity emergency generator utilizing one (1) 10 mmBtu/hr piston-driven internal combustion engine operating on #2 diesel fuel.

(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.3.1 Prevention of Significant Deterioration [326 IAC 2-2] [40 CFR 52.21]

Pursuant to Construction Permit 107-2608, ID 107-00003 issued on November 5, 1992 the use of #2 diesel fuel in the turbine generator shall not exceed 96,000 gallons per twelve (12) month period rolled on a monthly basis. This limit is required to limit the potential to emit of NOx to less than 40 tons of NOx per 12 consecutive month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

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

D.3.2 Record Keeping Requirements

- (a) To document compliance with D.3.1, the Permittee shall maintain records of monthly usage of #2 diesel fuel combusted in the generator.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.3 Reporting Requirements

A 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, using the reporting form currently being used, or 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).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Rd., P.O. Box 428, Crawfordsville, IN 47933
Part 70 Permit No.: T107-6495-00003

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Rd., P.O. Box 428, Crawfordsville, IN 47933
Part 70 Permit No.: T107-6495-00003

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
Part 70 Quarterly Report**

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Rd., P.O. Box 428, Crawfordsville, IN 47933
Part 70 Permit No.: T107-6495-00003
Facility: #2 diesel fuel-fired generator
Parameter: #2 diesel fuel usage
Limit: 96,000 gallons per 12 month period rolled on a monthly basis

YEAR:

Month	#2 Diesel Fuel (gallons)	#2 Diesel Fuel (gallons)	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

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

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

Attach a signed certification to complete this report.

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

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

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Rd., P.O. Box 428, Crawfordsville, IN 47933
Part 70 Permit No.: T107-6495-00003

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
Part 70 Quarterly Report**

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Rd., P.O. Box 428, Crawfordsville, IN 47933
Part 70 Permit No.: T107-6495-00003
Facility: Unit #5 and Unit #6
Parameter: SO₂ Emission Rate
Limit: SO₂ emissions from either Unit #5 or Unit #6 shall not exceed 6.0 pounds per million Btu (lbs/mmBtu)

YEAR:

Month	Column 1	Column 2	Column 3	Column 4	Column 5
	Coal Consumption	Sulfur Content	Coal Heat Content	Ash Content	SO ₂ Emission Rate
Month 1					
Month 2					
Month 3					

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
Part 70 Quarterly Report**

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Road, P.O.Box 428, Crawfordsville, Indiana 47933
Part 70 Permit No.: T107-6495-00003
Facility: Unit 5 and Unit 6
Parameter: Single HAP and Total HAPs
Limit: Each individual hazardous air pollutant and total hazardous air pollutants are limited to less than 9.9 and 24.9 tons per twelve (12) consecutive month period respectively, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 3
	Coal Consumption (tons)	Chlorine Content (%)	Moisture Content (%)
Month 1			
Month 2			
Month 3			

Month	Total Emissions This Month (tons)				Total Emissions Previous 11 Months (tons)		Total Emissions 12 Months (tons)	
	Pollutant	HAP Content (based on sampling)	Single HAP	Combined HAPs	Single HAP	Combined HAPs	Single HAP	Combined HAPs
Month 1	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								
Month 2	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								
Month 3	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

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

Source Background and Description

Source Name:	Crawfordsville Electric Light and Power
Source Location:	700 Lafayette Road, Crawfordsville, Indiana 47933
County:	Montgomery
SIC Code:	4911
Operation Permit No.:	T107-6495-00003
Permit Modification No.:	107-22786-00003
Permit Reviewer:	Surya Ramaswamy / EVP

On May 31, 2007, the Office of Air Quality (OAQ) had a notice published in The Journal Review, Indiana, stating that Crawfordsville Electric Light and Power had applied for a significant permit modification to make certain changes at their existing source. The notice also stated that OAQ proposed to issue a Part 70 Permit for this operation and provided information on how the public could review the proposed Part 70 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 Part 70 Permit should be issued as proposed.

On June 29, 2007, Steve Gillan of Crawfordsville Electric Light and Power (CELP), submitted comments on the proposed Title V permit. The summary of the comments and corresponding responses is as follows (bolded language has been added and the language with a line through it has been deleted):

Comment 1

CELP requests that the Draft Permit Condition D.1.6 (b) be modified to delete Radionuclides because the ASTM methods identified in draft Permit Condition D.1.12 do not include a method to determine Radionuclide content. Crawfordsville Electric proposes the following calculation for Radionuclides to include in Condition D.1.12.

D.1.12 Hazardous Air Pollutant Emissions

-
- (a) The coal consumption (Q_{Coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.
 - (b) Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (a) shall be performed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned, **and analyzed**, using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
 - (c) **Except for Radionuclides**, coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (b) shall be performed quarterly **and analyzed** using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
 - (d) **Except for Radionuclides**, the samples shall be analyzed for the trace HAP substances identified in condition D.1.6 and moisture using one of the following methods:

1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.
 2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (e) The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:
1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.
 2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (f) **Radionuclide emissions will be calculated based on an emission factor of 285 pounds per trillion Btu of coal combusted. This emission factor is based on uncontrolled emissions of Uranium and Thorium, and Uranium and Thorium concentrations of 1.24 and 2.18 ppm, respectively, from the U.S. EPA report, study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units - Final Report to Congress, EPA-453/R-98-004a, February 1998, Table 9-1.**

Response 1

IDEM did not revise Condition D.1.6 (b) because Radionuclide is one of the HAPs that need to be determined to federally limit the sourcewide HAPs emissions to less than 25 tons per year. However, IDEM agrees with the recommended clarification in Condition D.1.12 and to insert paragraph (f) listing the available method to calculate the Radionuclide emissions as requested.

D.1.12 Hazardous Air Pollutant Emissions

- (a) The coal consumption (Q_{Coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.
- (b) Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (a) shall be performed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned, **and analyzed**, using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
- (c) **Except for Radionuclides**, coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (b) shall be performed quarterly **and analyzed** using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).
- (d) **Except for Radionuclides**, the samples shall be analyzed for the trace HAP substances identified in condition D.1.6 and moisture using one of the following methods:
 1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.

2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (e) The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:
1. ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.
 2. ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.
 3. ASTM D3302-02a Standard Test Method for Total Moisture in Coal.
- (f) **Radionuclide emissions will be calculated based on an emission factor of 285 pounds per trillion Btu of coal combusted. This emission factor is based on uncontrolled emissions of Uranium and Thorium, and Uranium and Thorium concentrations of 1.24 and 2.18 ppm, respectively, from the U.S. EPA report, study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units - Final Report to Congress, EPA-453/R-98-004a, February 1998, Table 9-1.**

Comment 2

Crawfordsville Electric requests that Draft Permit Condition D.1.7 be modified as follows (**additions in bold**):

Crawfordsville Electric's suggestions accomplish two goals. One, to clarify that the every-other-year testing deadline is December 31, and not the date of any one test. Two, to put the particulate matter testing and hazardous air pollutants testing on the same schedule because it is reasonable and economical to perform these tests during one testing event.

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

- (a) The Permittee shall perform a stack test using methods as approved by the commissioner, to show compliance with the PM limitation in Condition D.1.1 before December 31, 2007. This test shall be repeated by December 31 of every second calendar year following ~~this valid compliance demonstration~~ **2007**. Testing shall be conducted in accordance with Section C-Performance Testing.
- (b) ~~No later than 180 days after issuance of this Significant Permit Modification No. 107-22786, the~~ **The** Permittee shall perform testing for HCl, Antimony, Chromium, Cobalt, Manganese, and Nickel listed in Section 1.6(a) of this permit **before December 31, 2007. This testing test shall be repeated by December 31 of every second calendar year following 2007. Testing every two (2) years** and shall be in accordance with Section C-Performance Testing.

Response 2

IDEM agrees with the recommended changes such that the particulate matter testing and hazardous air pollutants testing will be on the same schedule, the following changes have been made to Condition D.1.7 of the permit as requested.

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

- (a) The Permittee shall perform a stack test using methods as approved by the commissioner, to show compliance with the PM limitation in Condition D.1.1 before December 31, 2007. This test shall be repeated by December 31 of every second calendar year following ~~this~~ **the most recent** valid compliance demonstration. Testing shall be conducted in accordance with Section C-Performance Testing.

- (b) ~~No later than 180 days after issuance of this Significant Permit Modification No. 107-22786, the~~ **The** Permittee shall perform testing for HCl, Antimony, Chromium, Cobalt, Manganese, and Nickel listed in Section 1.6(a) of this permit **before December 31, 2007. This Testing test** shall be repeated **by December 31 of every second calendar year following the most recent valid compliance demonstration. Testing every two (2) years** and shall be in accordance with Section C-Performance Testing.

Comment 3

Crawfordsville Electric's proposed Permit language clarifies that the sampling and analysis is for chlorine, not for hydrogen chlorine, and that the calculation of hydrogen chlorine emissions is established by Draft Permit Condition D.1.6(a)(1).

Crawfordsville Electric requests that Draft Permit Condition D.1.11 be modified as follows (**additions in bold**):

D.1.11 ~~Hydrogen Chloride Emissions and Chlorine Content~~ **Concentration**

- (a) The coal consumption (Q_{coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.

- (b) Coal sampling for determining chlorine ~~content~~ **concentration identified in Condition D.1.6(a)(1)** shall be performed using the procedures required in the Condition D.1.10(a)(3) or by the fuel supplier as specified in (e).

Response 3

IDEM agrees and for consistency purposes, the following changes have been made to Conditions D.1.6, D.1.11 and D.1.16 of the permit.

D.1.6 HAP Emissions

Compliance with the HAP limits in condition D.1.4 shall be demonstrated using the following equations.

- (a) Monthly hazardous air pollutant emissions shall be calculated using equations (1) through (6):
 - (1) The Hydrogen Chloride emissions shall be calculated according to the following equation:

$$E_{\text{HCl}} = 1.028 * CE_{\text{Cl}} * C_{\text{Cl}} * Q_{\text{Coal}} \dots \dots \text{Equation (1)}$$

Where

- E_{HCl} = Emissions of Hydrogen Chloride in tons per month
- CE_{HCl} = Controlled Emission fraction for HCl, assumed to be 1.00 (i.e., uncontrolled), unless a different value is established by stack test or other method approved by the Commissioner
- 1.028 = Molecular weight ratio of Hydrogen Chloride to Chlorine

C_{Cl} = Chlorine ~~content~~ **concentration** in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

D.1.11 ~~Hydrogen Chloride Emissions and~~ Chlorine Content

- (a) The coal consumption (Q_{coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.
- (b) Coal sampling for determining chlorine ~~content~~ **concentration identified in Condition D.1.6(a)(1)** shall be performed using the procedures required in the Condition D.1.10(a)(3) or by the fuel supplier as specified in (e).

D.1.16 Record Keeping Requirements

....

- (d) To document compliance with Conditions D.1.6, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be sufficient to establish a 12 consecutive month annual emissions rate and shall be complete and sufficient to demonstrate compliance with the HAP limits established in Condition D.1.6.
- (1) Actual coal usage since last compliance determination period and records of stack test results and all calculations per Condition D.1.6;
 - (2) Chlorine ~~content~~ **concentration** and Moisture Content in the coal;
 - (3) Each monthly analysis of the Antimony, Chlorine, Chromium, Cobalt, Manganese, and Nickel content of the coal.

Comment 4

Crawfordsville Electric requests that Draft Permit Condition D.1.16 be modified as follows (**additions in bold**):

These boilers are less than 1500mmBtu/hr input and are subject to 326 IAC 3-7-2(b) for monthly instead of 30-day rolling averaging. The proposed modification correctly cites the calendar month average.

D.1.16 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.3 and D.1.9, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be sufficient to demonstrate compliance using a calendar month ~~thirty (30)-day rolling-weighted~~ average and shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.3.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual coal usage since last compliance determination period;
 - (3) Sulfur content and heat content; and
 - (4) Sulfur dioxide emission rates.

Response 4

Pursuant to 326 IAC 3-7-2(b), the boilers are subject to monthly instead of 30-day rolling average; therefore, Condition D.1.16 (a) has been revised to reflect the correct language.

The following changes have been made to Condition D.1.16 of the permit as requested.

D.1.16 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.3 and D.1.10, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be sufficient to demonstrate compliance using a calendar month ~~thirty (30) day rolling weighted~~ average and shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.3.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual coal usage since last compliance determination period;
 - (3) Sulfur content and heat content; and
 - (4) Sulfur dioxide emission rates.

Comment 5

Draft Permit Condition C.11 (a) contains a significant change to Crawfordsville Electric's current Permit. Specifically, it includes this proposed language: "For a boiler, the COMS shall be in operation at all times that the induced fan is in operation." This proposed new language does not take into account Crawfordsville Electric's actual operations. Crawfordsville Electric's boilers do not operate continually. During rain events when the boilers are not in operation, the facility runs the induced draft (ID) fans to prevent waste infiltration into the stacks and water accumulation in the stack bases. During these periods the boilers do not operate and there are no emissions. Crawfordsville Electric suggests that the Condition C.11 (a) language in its current Permit be retained and that the proposed sentence from the Draft Permit quoted in this Comment be deleted.

Response 5

Due to the actual operations at the plant, Condition C.11 (a) has been revised to revert back to original language contained in the Title V Permit No. 107-6495-00003, issued on February 05, 2004.

C.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. ~~For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.~~ **In addition, prompt corrective action shall be initiated whenever indicated.**

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

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

Source Description and Location

Source Name:	Crawfordsville Electric Light and Power
Source Location:	700 Lafayette Road, Crawfordsville, Indiana 47933
County:	Montgomery
SIC Code:	4911
Operation Permit No.:	T107-6495-00003
Operation Permit Issuance Date:	August 1, 2003
Permit Modification No.:	107-22786-00003
Permit Reviewer:	Surya Ramaswamy / EVP

Existing Approvals

The source was issued a Part 70 Operating Permit Renewal No. T107-6495-00003 on August 1, 2003. The source has since received the following approvals:

- (a) First Review Request 112(j) Applicability Determination No. 107-16387-00003 issued on February 05, 2004; and
- (b) First Administrative Amendment No. 107-20579-00003 issued on January 27, 2005.

County Attainment Status

The source is located in Montgomery County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Montgomery County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (c) Montgomery County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.
- (d) Montgomery 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.
- (e) 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
VOC	Less than 100
SO ₂	Greater 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) These emissions are based upon the Title V permit renewal (107-22786-00003) issued on August 1, 2003.

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).

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	12.00
PM10	12.00
SO ₂	369.00
VOC	1.00
CO	39.00
NO _x	86.00
HAP	Not reported

Background and Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a permit modification application, submitted by Crawfordsville Electric Light and Power on March 13, 2006, relating to a request to incorporate federally enforceable limits on HAP emissions in order to obtain area source status under the National Emissions Standard for Hazardous Air Pollutants (NESHAP) and thus render the requirements of 40 CFR 63, Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD) not applicable. The source has opted to limit the source-wide emissions of any combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively. The compliance date for these affected boilers under the industrial boiler MACT rule in 40 CFR Part 63.7495(b), Subpart DDDDD is September 13, 2007.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

Potential HAP emissions from Boiler 5 and Boiler 6:

The coal from Black Beauty Coal Company is the primary coal for CEL&P. The information on HAPs concentrations is provided by the Black Beauty Coal Company.

Potential emission calculations for HAPs shown below is based on the assumption that the average chlorine content in the coal is 175 ppm. In addition, the coal consumption is limited to 55,030 tons per year to limit the HCl emissions to less than 10 tons per year.

Based on the emission calculations it was determined that limiting HCl to 9.9 tons per year will also limit the total HAPs to less than 25 tons per year (including the HCl emissions), where the emissions from Antimony, Chromium, Cobalt, Manganese, and Nickel are controlled by the control device while the rest of the HAPs are controlled by limiting the coal itself.

Note: The coal consumption will vary with the chlorine content and the moisture content in the coal.

Amount of coal burned in Unit 5 & Unit 6	=	55,030.00	ton/year
Coal Heat Value	=	24.00	MMBtu/ton
Total Heat Value	=	1,320,720.00	MMBtu/year
	=	1.321	TBtu/year

Pollutant	Worse-case Emission Factor	Uncontrolled Emission	Control Efficiency	Controlled Emission
	lb/TBtu	TPY	%	TPY
Total Organic HAPs	404.2	0.27	0.0%	0.27
Antimony ¹	299.0	0.20	63.0%	0.07
Arsenic ¹	677.0	0.45	0.0%	0.45
Beryllium ¹	265.0	0.17	0.0%	0.17
Cadmium ¹	39.0	0.03	0.0%	0.03
Chromium ¹	1,271.0	0.84	53.0%	0.39
Cobalt ¹	725.0	0.48	46.0%	0.26
Lead ¹	1,706.0	1.13	0.0%	1.13
Manganese ¹	2,333.0	1.54	59.0%	0.63
Mercury ¹	7.7	0.01	0.0%	0.01
Nickel ¹	3,083.0	2.04	73.0%	0.55
Phosphorus ²	2,480.0	1.64	0.0%	1.64
Radionuclides ³	285.0	0.19	0.0%	0.19
Selenium ¹	117.0	0.08	0.0%	0.08
Hydrogen Chloride ⁵		9.90	0.0%	9.90
Hydrogen Fluoride ⁴	4,391.0	2.90	0.0%	2.90
Total		21.84		18.66

¹Emission factors are based on pollutant concentration data from the Black Beauty Coal Company for Farmersburg Low S coal. The control efficiency is the 95th percentile upper confidence interval control efficiency for the worse case boiler (Boiler 5) and is based on the methodology from the Electric Power Research Institute Report, Emission Factors Handbook: Guidelines for Estimating trace Substance Emissions from Fossil Fuel Steam Electric Plants, 1005402, Final Report, April, 2002.

²From an analysis of HAP emissions conducted by the U.S. EPA and documented in the memorandum from Christy Burlew and Roy Oommen, to Jim Eddinger, U.S. EPA, OAQPS (C439-01), dated October, 2002.

³Radionuclide emissions are based on uncontrolled emissions of uranium and thorium. The uranium and thorium concentrations of 1.24 and 2.18 ppm respectively are from the U.S. EPA report, Study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units - Final Report to Congress, EPA-453/R-98-004a, February 1998, Table 9-1.

⁴The emission factor for hydrogen fluoride is based on the uncontrolled emissions of hydrogen fluoride based on the concentrations of fluoride for the Black Beauty Coal Company's Farmersburg coal. It was calculated as the 95th percentile of the coal concentration (i.e., the mean plus 1.96 times the standard deviation). The 95th percentile concentration is the mean (45 ppm) plus 1.96 times the standard deviation (5.0 ppm), or 54.80 ppm total. The emission factor was calculated as follows:

$$\text{Emission Factor} = (54.80 \text{ lb F}/1,000,000 \text{ lb dry coal}) \times (1.053 \text{ lb HF}/\text{lb F}) \times (1.00 \text{ lb dry coal}/13,142 \text{ Btu}) \times (1,000,000,000,000 \text{ Btu}/\text{trillion Btu}) = 4,391 \text{ lb}/\text{TBtu}$$

⁵ For HCL emissions, the emissions factor is based on the following:

Coal Chlorine Content	=	175	PPM
Coal Heat Value	=	24.00	MMBtu/ton

$$E_{HCl} = 1.028 * C_{Cl} * Q_{Coal} \dots \dots \text{Equation (1)}$$

$$= 1.028 * 0.000175 * 55030$$

$$= 9.90 \text{ Tons per year.}$$

Where

- E_{HCl} = Emissions of Hydrogen Chloride in tons per year
- 1.028 = Molecular weight ratio of Hydrogen Chloride to Chlorine
- C_{Cl} = Chlorine content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in tons per year

Potential HAP emissions from 818 kW diesel-fired emergency black start generator:

AIR POLLUTANT	EMISSION FACTOR ^{1,2} lb/mmBtu	FUEL OIL CONSUMPTION		POTENTIAL TO EMIT	
		MAX ³ gal/hr	ALLOWABLE gal/yr	lb/hr	ton/yr
Benzene	7.60E-04	73	96,000	0.008	0.01
Toluene	2.80E-04	73	96,000	0.003	0.0037
Xylenes	1.90E-04	73	96,000	0.002	0.00254
Formaldehyde	7.90E-05	73	96,000	0.001	0.00104
Acetaldehyde	2.50E-05	73	96,000	0	0.00033
Acrolein	7.90E-06	73	96,000	0	0.0001
PAH	2.10E-04	73	96,000	0.002	0.00279
Arsenic	4.30E-06	73	96,000	0	0.00006
Beryllium	1.50E-07	73	96,000	0	0
Cadmium	1.20E-06	73	96,000	0	0.00002
Chromium	5.20E-06	73	96,000	0	0.00007
Cobalt	3.20E-05	73	96,000	0	0.00042
Lead	8.00E-06	73	96,000	0	0.00011
Manganese	1.40E-05	73	96,000	0	0.00018
Mercury	4.80E-07	73	96,000	0	0.00001
Nickel	7.10E-04	73	96,000	0.007	0.00934
Selenium	2.10E-06	73	96,000	0	0.00003
Hydrogen Chloride	2.40E-03	73	96,000	0.024	0.03117
Hydrogen Fluoride	1.10E-04	73	96,000	0.001	0.00145
TOTAL				0.048	0.063

Footnotes

1. The emission factor for benzene, toluene, xylenes, formaldehyde, acetaldehyde, acrolein, and PAH is from the U.S. EPA's AP-42, 5th Edition, Section 3.4-5.
2. The emission factors for inorganic HAPs is for distillate fuel oil combustion, AP-42, Table 3.3-2, Uncontrolled diesel engines.
3. The maximum capacity of this unit is 10.0 mmBtu/hr. Based on 7.1 lb/gal oil density and 19,300 Btu/lb heating value, this is equal to 73.0 gal/hr.

Potential HAP emissions from ash handling:

AIR POLLUTANT		Flyash	Potential to Emit	
		Concentration	lb/hr	tons/yr
		ppm		
Antimony	Sb	41.2	0.00012	0.00013
Arsenic	As	129.3	0.00039	0.00041
Beryllium	Be	32.6	0.0001	0.0001
Cadmium	Cd	9.6	0.00003	0.00003
Chromium Ccmds	Cr	173.9	0.00052	0.00055
Cobalt	Co	101.1	0.0003	0.00032
Lead	Pb	295.6	0.00089	0.00093
Manganese	Mn	474.5	0.00142	0.0015
Mercury	Hg	1	0	0
Nickel	Ni	420	0.00126	0.00132
Phosphorus	P	500	0.0015	0.00158
Radionuclides		100	0.0003	0.00032
Selenium	Se	18.6	0.00006	0.00006
Total				0.0072

Footnotes

1. The concentration of each hazardous air pollutant has been calculated based on the 95% upper confidence level of the actual measure concentration in the coal, and is based on the worse case scenario that this substance is retained completely in the ash. The ash enrichment is based on a coal ash content of 10.0%

HAP Emission Summary

AIR POLLUTANT	Ash Handling	Diesel Generator	Boiler 5 & 6	Total
	tons/yr	tons/yr	tons/yr	tons/yr
Total Organic HAPs	0.0205	0.0000	0.2700	0.2905
Antimony	0.0001	0.0001	0.1974	0.1976
Arsenic	0.0004	0.0000	0.4471	0.4475
Beryllium	0.0001	0.0000	0.1750	0.1751
Cadmium	0.0000	0.0000	0.0258	0.0258
Chromium Ccmds	0.0006	0.0001	0.8393	0.8399
Cobalt	0.0003	0.0004	0.4788	0.4795
Lead	0.0009	0.0001	1.1266	1.1276
Manganese	0.0015	0.0002	1.5406	1.5423
Mercury	0.0000	0.0000	0.0051	0.0051
Nickel	0.0013	0.0093	2.0359	2.0465
Phosphorus	0.0016	0.0000	1.6377	1.6393
Radionuclides	0.0003	0.0000	0.1882	0.1885
Selenium	0.0001	0.0000	0.0773	0.0774
Hydrogen Chloride	0.0000	0.0312	9.9000	9.9312
Hydrogen Fluoride	0.0000	0.0015	2.8996	2.9011
Grand Total			21.9149	tons/yr

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 permit modification request will not result in change of potential to emit for any regulated pollutant. However, source wide HAP emissions will be limited due to the modification request.

The Part 70 Operating permit is being modified through a Part 70 Significant Permit Modification. This modification is being performed pursuant to 326 IAC 2-7-12(d)(1) which states “every significant change in existing monitoring Part 70 permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions shall be considered significant”, because it involves the removing of permit conditions and the addition of enforceable permit conditions limiting source-wide HAP emissions below major thresholds.

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- (b) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited, such that the emissions of each individual hazardous air pollutant are less than 9.90 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Monthly hazardous air pollutant emissions shall be calculated using equations (1) through (6):
 - (1) The Hydrogen Chloride emissions shall be calculated according to the following equation:

$$E_{HCl} = 1.028 * CE_{Cl} * C_{Cl} * Q_{Coal} \dots\dots \text{Equation (1)}$$

Where

- E_{HCl} = Emissions of Hydrogen Chloride in tons per month
- CE_{HCl} = Controlled Emission fraction for HCl, assumed to be 1.00 (i.e., uncontrolled), unless a different value is established by stack test or other method approved by the Commissioner
- 1.028 = Molecular weight ratio of Hydrogen Chloride to Chlorine
- C_{Cl} = Chlorine content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (2) The Antimony emissions shall be calculated according to the following equation:

$$E_{Sb} = CE_{Sb} * C_{Sb} * Q_{Coal} \dots\dots \text{Equation (2)}$$

Where

- E_{Sb} = Emissions of Antimony in tons per month
- CE_{Sb} = Controlled Emission fraction for Antimony, assumed to be 0.37 unless a different value is established by stack test or other method approved by the Commissioner

C_{Sb} = Antimony content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

(3) The Chromium emissions shall be calculated according to the following equation:

$$E_{Cr} = CE_{Cr} * C_{Cr} * Q_{Coal} \dots \dots \dots \text{Equation (3)}$$

Where

E_{Cr} = Emissions of Chromium in tons per month
 CE_{Cr} = Controlled Emission fraction for Chromium, assumed to be 0.47 unless a different value is established by stack test or other method approved by the Commissioner
 C_{Cr} = Chromium content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

(4) The Cobalt emissions shall be calculated according to the following equation:

$$E_{Co} = CE_{Co} * C_{Co} * Q_{Coal} \dots \dots \dots \text{Equation (4)}$$

Where

E_{Co} = Emissions of Cobalt in tons per month
 CE_{Co} = Controlled Emission fraction for Cobalt, assumed to be 0.54 unless a different value is established by stack test or other method approved by the Commissioner
 C_{Co} = Cobalt content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

(5) The Manganese emissions shall be calculated according to the following equation:

$$E_{Mn} = CE_{Mn} * C_{Mn} * Q_{Coal} \dots \dots \dots \text{Equation (5)}$$

Where

E_{Mn} = Emissions of Manganese in tons per month
 CE_{Mn} = Controlled Emission fraction for Manganese, assumed to be 0.41 unless a different value is established by stack test or other method approved by the Commissioner
 C_{Mn} = Manganese content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

(6) The Nickel emissions shall be calculated according to the following equation:

$$E_{Ni} = CE_{Ni} * C_{Ni} * Q_{Coal} \dots \dots \dots \text{Equation (6)}$$

Where

E_{Ni} = Emissions of Nickel in tons per month
 CE_{Ni} = Controlled Emission fraction for Nickel, assumed to be 0.27 unless a different value is established by stack test or other method approved by the Commissioner
 C_{Ni} = Nickel content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

- (c) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited such that the sum of the individual hazardous air pollutant annual emissions calculated in accordance with condition D.1.6 (a) of this permit and the combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride is less than 24.90 tons of total HAPs per twelve (12) consecutive month period.

The combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride shall be calculated according to the following equation:

$$E_{\text{Comb}} = \sum C_{\text{Comb}} * Q_{\text{Coal}} \dots \dots \dots \text{Equation (7)}$$

Where

- E_{Comb} = Combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride
- C_{Comb} = HAP content in coal (Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride), dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per year

To demonstrate compliance with the above emission limits, the Permittee shall calculate HAP emissions for each pollutant based on the type of coal and coal consumption.

Compliance with these HAP limits, in conjunction with the potential HAP emissions from the coal handling, ash handling and emergency generator will limit the source-wide single HAP and total HAP emissions to less than 10 and 25 tons per twelve (12) consecutive month period, respectively. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 326 IAC 20, (40 CFR Part 63, Subpart DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters)) do not apply to this source.

State Rule Applicability Determination

There are no new State Rules included in this permit due to this modification.

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

The compliance monitoring requirements applicable to this source are as follows:

- (a) Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (a) shall be performed at least once per month and whenever new coal (including a different type of coal from a different supplier) is bunkered or burned, using one of the procedures required in the Condition D.1.12 (d) or by the fuel supplier as specified in the Condition D.1.12 (e).
- (b) Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (b) shall be performed quarterly using one of the procedures required in the Condition D.1.12 (d) or by the fuel supplier as specified in the Condition D.1.12 (e).
- (c) The Permittee shall record the pressure drop across the baghouse used in conjunction with the ash load-in system at least once per day when the ash load in is in operation when venting to the atmosphere. When for any one reading during the collection cycle of the ash load-in system the pressure differential across the baghouse exhibits a reading outside of the normal range of 3.0 to 27.0 inches of water (*This wide range is a result of the baghouse being powered by a steam vacuum system that was previously adapted from a steam waterwash system that lacked the necessary cleaning efficiency and not powered by a compressor. When the system adapts to the new baghouse it provides a greater vacuum. Based upon the internal cleaning cycle of the baghouse and the cleanliness of the bags, it will produce this range. To accommodate this, the Permittee had Dwyer Instruments manufacture a differential pressure gauge to accommodate the range of -10 to +40 inches of water. This was reviewed and approved by IDEM.*), the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C- Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 107-6495-00003. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Change No. 1:

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

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**
2. Condition B.8 (Compliance with Permit Conditions) has been removed from the B section and has been added to the Title V title page instead.
3. Paragraph (a) of Condition B.10, Annual Compliance Certification, was revised to remove "in letter form" so that it does not contradict the Nonrule Policy Document that provides an example for how sources can submit annual compliance certifications.
4. IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Condition B.11 – Preventive Maintenance and has amended Condition B.12 – Emergency Provisions.

5. Paragraph (a) of Condition B.13, Permit Shield, is revised to remove the word "in" from the second sentence to be consistent with 326 IAC 2-7-15(a).
6. For clarification purposes, Condition B.20 - Operational Flexibility has been revised.
7. Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the condition reflecting this rule will be incorporated.
8. 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.
9. The last sentence of Conditions C.3 and C.5, Open Burning and Fugitive Dust Emissions, were deleted because the open burning and the fugitive dust emissions provisions are now federally enforceable and are included in Indiana's State Implementation Plan (SIP).
10. Upon further review, IDEM has determined that no additional monitoring will be required during COM downtime, until the COM has been down for twenty-four (24) hours. This allows the Permittee to focus on the task of repairing the COM during the first twenty-four (24) hour period. After twenty-four (24) hours of COM downtime, the Permittee will be required to conduct Method 9 readings for thirty (30) minutes. Once Method 9 readings are required to be performed, the readings should be performed twice per day at least 4 or 6 hours apart, rather than once every four (4) hours, until a COMS is back in service.
11. IDEM realizes that the specifications of Condition C.13 - Pressure Gauge and Other Instrument Specifications, can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the language in Condition C.13 has been revised (see the changes in the section of Proposed Changes).
12. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan (Condition C.16). The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, the condition for "Compliance Response Plan" has been replaced by the condition for "Response to Excursions or Exceedances". The Section D conditions that refer to this condition have been revised to reflect the new condition title (see the changes in the section of Proposed Changes).
13. Rule cites were added to the title line of original Condition C.20, General Record Keeping Requirements, paragraph (a) was revised to clarify how records may be kept, and paragraph (c) was added to clarify record keeping requirements related to 326 IAC 2-2 and 326 IAC 2-3.

14. Paragraph (e) of Condition C.21, General Reporting Requirements, was revised to clarify the reporting periods and the meaning of "calendar year". Rule cites were added to the title line and paragraphs (f) and (g) were added to clarify reporting requirements related to 326 IAC 2-2 and 326 IAC 2-3. Paragraph (h) was added to clarify that documentation required by this permit should be made available to IDEM, OAQ upon request.
15. IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.
16. Section 112(j) is no longer an applicable requirement, therefore, original Condition C.22, Application Requirements for Section 112(j) of the Clean Air Act, is removed as well as the section heading, Part 2 MACT Application Submittal Requirement. The applicable requirements are 40 CFR Part 63, Subpart DDDDD for Industrial, Commercial, and Institutional Boilers and Process Heaters.

~~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]~~

~~This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the clean Air Act and 326 IAC 21 (Acid Deposition control).~~

~~B.3 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 and Evansville EPA, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.~~

~~B.4 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.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 Supplement and Provide Information 326 IAC 2-7-4(b) [326 IAC 2-7-5(6)(E)] [326 IAC 2-7-6(6)]~~

~~(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:~~

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

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

- ~~(b) 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.~~
- ~~(c) 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 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]~~

- ~~(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provision of this permit is grounds for:
 - ~~(1) Enforcement action;~~
 - ~~(2) Permit termination, revocation and reissuance, or modification; or~~
 - ~~(3) Denial of a permit renewal application.~~~~
- ~~(b) Noncompliance with any provisions of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.~~
- ~~(c) 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.~~
- ~~(d) 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.~~

~~B.9 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.10 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:~~

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

~~and~~

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

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

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

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

~~(2) The compliance status;~~

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

~~(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and~~

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

~~B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]~~

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:~~

~~(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~

~~(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and~~

~~(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, 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).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, 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) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept 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.12 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: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967
Telephone Number: 812-436-2570
Facsimile Number: 812-436-2572
 - (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

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

~~The notice fulfills the requirement of 326 IAC 2-7-5(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) — 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) — Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

~~B.13 — 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 in 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.14 — Prior Permits Superseded [326 IAC 2-1-1-9.5] [326 IAC 2-7-10.5]~~

-
- ~~(a) — All terms and conditions of permits established prior to T129-7882-00003 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) — All previous registrations and permits are superseded by this permit, except for permits issued pursuant to Title IV of the Clean Air Act or 326 IAC 21 (Acid Deposition Control).~~

~~B.15 — Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]~~

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

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

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

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

~~(B) — If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

~~(2) — If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, 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 the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.~~

~~(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.~~

~~B.18 — 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 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.~~

~~B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]~~

- ~~(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~
- ~~(b) 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, 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).~~

- ~~(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.20 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.21 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~and~~

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

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

- ~~(5) — The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(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(e).~~
- ~~(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.~~

~~B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2]~~

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

- ~~(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~
- ~~(b) Have access to and copy any records that must be kept under the conditions of this permit;~~
- ~~(c) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) Sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

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

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 [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 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.~~

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

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

- (a) ~~Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~
- (b) ~~Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.~~

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

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

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

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

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

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

~~1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.~~

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

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

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

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

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

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

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

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

~~(b) — The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(c) — Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and Evansville EPA not later than forty five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and Evansville EPA, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty five (45) day period.~~

Compliance Requirements [326 IAC 2-1-1-11]

~~C.9 — Compliance Requirements [326 IAC 2-1-1-11]~~

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

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

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

~~Unless otherwise specified in this permit, 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]~~

~~(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.~~

~~(b) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.~~

~~(c) 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 boiler 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 with 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 boiler stack.~~

~~(A) Visible emission readings shall be performed in accordance with 40~~

~~GFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods) beginning not more than twenty four (24) hours after the start of the malfunction or down time.~~

~~(B) Method 9 opacity readings shall be repeated for a minimum five (5) consecutive six (6) minute averaging periods) at least once every four (4) hours during daylight operations, until such time that a COM is in operation.~~

~~(C) Method 9 readings may be discontinued once a COM is online.~~

- (3) ~~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. 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 violation of this permit.~~
- (4) ~~All of the opacity readings during this period shall be reported with the Quarterly Opacity Exceedances Reports.~~

(d) ~~Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5.~~

~~C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

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

~~C.13 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.~~
- (b) ~~Whenever a condition in this permit requires the measurement of a flow rate the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~
- (c) ~~The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.~~

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

~~C.14 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~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, and Evansville EPA, 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, and Evansville EPA, 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.15 — Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]~~

- ~~(a) — If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement.~~
- ~~(b) — The Permittee shall verify that a Risk Management Plan or a revised plan was prepared as required by 40 CFR 68 and submitted to IDEM, OAQ.~~

~~All documents submitted pursuant to this condition shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

~~C.16 — Compliance Response Plan – Failure to Take Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]~~

- ~~(a) — The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ and Evansville EPA, upon request and Evansville EPA. 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 and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- ~~(b) — For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
 - ~~(1) — Reasonable response steps shall be taken as set forth in the Permittee’s — current Compliance Response Plan; or~~
 - ~~(2) — If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and — implement additional response steps as expeditiously as practical. Taking such — additional response steps shall not be considered a deviation from this permit so — long as the Permittee documents such response steps in accordance with this — condition.~~
 - ~~(3) — If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the~~

~~applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.~~

- ~~(4) Failure to take reasonable response steps shall constitute a violation of 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 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 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 documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

- ~~C.19 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) The Permittee shall submit an annual emission statement certified pursuant to the~~

requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

- (1) — Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) — Indicate estimated actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1) from the source, for purposes of Part 70 fee assessment.
- (b) — The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

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

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

C.20 — General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) — The source 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
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (c) ~~Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- (d) ~~Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- (d) ~~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.~~

Stratospheric Ozone Protection

C.21 — Compliance with 40 CFR 82 and 326 IAC 22-4

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

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

Part 2 MACT Application Submittal Requirement

C.22 — Application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)] [40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]

- (a) ~~The Permittee shall submit a Part 2 Maximum Achievable Control Technology (MACT) Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).~~
- (b) ~~Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:~~
 - (1) ~~The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;~~
 - (2) ~~The source no longer includes one or more units in an affected source category for which the U.S. EPA failed to promulgate an emission standard by May 15, 2002; or~~
 - (3) ~~The MACT standard or standards for the affected source categories included at~~

~~the source are promulgated.~~

- (c) ~~Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT Application deadline or prior to the issuance of permit with a case-by-case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 64, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:~~

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

~~and~~

~~United State Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590~~

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T107-6495-00003, 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 the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.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 no later than July 1 of each year to:

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

and

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

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

The submittal by the Permittee does require 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) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs 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.

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
Indianapolis, Indiana 46204-2251**

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

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

B.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
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][326 IAC 2-7-10.5]

- (a) **All terms and conditions of permits established prior to T107-6495-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
 - (1) **incorporated as originally stated,**
 - (2) **revised under 326 IAC 2-7-10.5, or**
 - (3) **deleted under 326 IAC 2-7-10.5.**
- (b) **Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit 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
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 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, 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
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 the 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 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);**
- (4) **The Permittee notifies the:**

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

and

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

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

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

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

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

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

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

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

B.21 Source Modification Requirement [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 2-3-2.

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records 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
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.
- (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 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 nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

C.6 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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by 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.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

The notification which shall be submitted by the Permittee does require the certification by 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.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.
 - (1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
 - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
 - (3) Method 9 readings may be discontinued once a COMS is online.
 - (4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, (and 40 CFR 60 and/or 40 CFR 63).

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on October 21, 2003.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

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

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

- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

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

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

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

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

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

**Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
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.19 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner 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 “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(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.

- (2) **Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
- (3) **Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (a) **The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by “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
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 “responsible official” as defined by 326 IAC 2-7-1(34).**
- (e) **The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.**
- (f) **If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing Electric Utility Steam Generating Unit, then for that project the Permittee shall:**
 - (1) **Submit to IDEM, OAQ a copy of the information required by (c)(1) in Section C- General Record Keeping Requirements**

- (2) Submit a report to IDEM, OAQ within sixty (60) days after the end of each year during which records are generated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements. The report shall contain all information and data describing the annual emissions for the emissions units during the calendar year that preceded the submission of report.**

Reports required in this part shall be submitted to:

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

- (g) If the Permittee is required to comply with the record keeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit other than Electric Utility Steam Generating 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).**
- (h) The report for project at an existing emissions unit other than Electric Utility Steam Generating Unit shall be submitted within sixty (60) days after the end of the year and contain the following:**
 - (1) The name, address, and telephone number of the major stationary source.**
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.**
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).**
 - (4) Any other information that the Permittee deems fit to include in this report,**

Reports required in this part shall be submitted to:

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

- (i) 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.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

Change No. 2:

IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation.

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

- ~~(a)~~ A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and 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 two 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 in the last six months. At a minimum, the following inspections shall be performed:
 - ~~(A)~~ Internal inspection of shell corrosion (i.e., doors, hatches, insulator housings, roof area).
 - ~~(B)~~ Effectiveness of rapping (i.e., buildup of dust on discharge electrodes and plates).
 - ~~(C)~~ Gas distribution (i.e. buildup of dust on distribution plates and turning vanes).
 - ~~(D)~~ Dust accumulation (i.e., buildup of dust on shell and support members that could result in grounds or promote advanced corrosion).
 - ~~(E)~~ Major misalignment of plates (i.e., visual check of plate alignment).
 - ~~(F)~~ Rapper, vibrator and TR set control cabinets (motors, lubrication, etc.)
 - ~~(G)~~ Rapper assembly (i.e., loose bolts, ground wires, water in air lines, solenoids, etc.)
 - ~~(H)~~ Vibrator and rapper seals (i.e., air in leakage, wear, deterioration)
 - ~~(I)~~ TR set controllers (i.e., low voltage trip point, over current trip point, spark rate, etc.)
 - ~~(3)~~ Air and water infiltration, once/month. The recommended method for this inspection is for audible checks around ash hoppers/hatches, duct expansion

~~joints, and areas of corrosion.~~

- ~~(c) — An inspection of the internal components of the multiclone shall be conducted at least every two (2) years, or 6000 hours of operation, whichever occurs first, in accordance with the Section B—Preventive Maintenance Plan. Items to be checked include air infiltration, plugging of inlet spinner vanes, outlet tube erosion, deposits on the inside surfaces of the cyclone tubes, and plugging of the bottom of the cyclone tubes.~~
- ~~(d) — Reasonable response steps shall be taken in accordance with Section C—Compliance Response Plan—Preparation, Implementation, Records and Reports for any improper or abnormal conditions found during the multiclone inspection. Discovery of an abnormal or improper condition 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 violation of this permit.~~

Change No. 3:

Conditions D.1.4 and D.1.6 have been added to incorporate the HAP limits for the source.

D.1.4 NESHAP Minor Limit [40 CFR Part 63, Subpart A] [40 CFR Part 63, Subpart DDDDD] [326 IAC 20-1]

- (a) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited, such that the emissions of each individual hazardous air pollutant are less than 9.90 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited such that the sum of the individual hazardous air pollutant annual emissions calculated in accordance with condition D.1.6 (a) of this permit and the combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride is less than 24.90 tons of total HAPs per twelve (12) consecutive month period with compliance determined at the end of each month.

D.1.6 HAP Emissions

Compliance with the HAP limits in condition D.1.4 shall be demonstrated using the following equations.

- (a) Monthly hazardous air pollutant emissions shall be calculated using equations (1) through (6):

- (1) The Hydrogen Chloride emissions shall be calculated according to the following equation:

$$E_{\text{HCl}} = 1.028 * CE_{\text{Cl}} * C_{\text{Cl}} * Q_{\text{Coal}} \dots \dots \text{Equation (1)}$$

Where

- E_{HCl} = Emissions of Hydrogen Chloride in tons per month
 CE_{HCl} = Controlled Emission fraction for HCl, assumed to be 1.00 (i.e., uncontrolled), unless a different value is established by stack test or other method approved by the Commissioner
1.028 = Molecular weight ratio of Hydrogen Chloride to Chlorine
 C_{Cl} = Chlorine content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

- (2) The Antimony emissions shall be calculated according to the following equation:

$$E_{Sb} = CE_{Sb} * C_{Sb} * Q_{Coal} \dots\dots\dots \text{Equation (2)}$$

Where

- E_{Sb} = Emissions of Antimony in tons per month
- CE_{Sb} = Controlled Emission fraction for Antimony, assumed to be 0.37 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Sb} = Antimony content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (3) The Chromium emissions shall be calculated according to the following equation:

$$E_{Cr} = CE_{Cr} * C_{Cr} * Q_{Coal} \dots\dots\dots \text{Equation (3)}$$

Where

- E_{Cr} = Emissions of Chromium in tons per month
- CE_{Cr} = Controlled Emission fraction for Chromium, assumed to be 0.47 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Cr} = Chromium content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (4) The Cobalt emissions shall be calculated according to the following equation:

$$E_{Co} = CE_{Co} * C_{Co} * Q_{Coal} \dots\dots\dots \text{Equation (4)}$$

Where

- E_{Co} = Emissions of Cobalt in tons per month
- CE_{Co} = Controlled Emission fraction for Cobalt, assumed to be 0.54 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Co} = Cobalt content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (5) The Manganese emissions shall be calculated according to the following equation:

$$E_{Mn} = CE_{Mn} * C_{Mn} * Q_{Coal} \dots\dots\dots \text{Equation (5)}$$

Where

- E_{Mn} = Emissions of Manganese in tons per month
- CE_{Mn} = Controlled Emission fraction for Manganese, assumed to be 0.41 unless a different value is established by stack test or other method approved by the Commissioner
- C_{Mn} = Manganese content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
- Q_{Coal} = Coal Consumption in dry tons per month

- (6) The Nickel emissions shall be calculated according to the following equation:

$$E_{Ni} = CE_{Ni} * C_{Ni} * Q_{Coal} \dots \dots \dots \text{Equation (6)}$$

Where

- E_{Ni} = Emissions of Nickel in tons per month
 CE_{Ni} = Controlled Emission fraction for Nickel, assumed to be 0.27 unless a different value is established by stack test or other method approved by the Commissioner
 C_{Ni} = Nickel content in coal, dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per month

- (b) The total amount of coal input to the boilers identified as Unit 5 and Unit 6 shall be limited such that the sum of the individual hazardous air pollutant annual emissions calculated in accordance with condition D.1.6 (a) of this permit and the combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride is less than 24.90 tons of total HAPs per twelve (12) consecutive month period.

The combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride shall be calculated according to the following equation:

$$E_{Comb} = \sum C_{Comb} * Q_{Coal} \dots \dots \dots \text{Equation (7)}$$

Where

- E_{Comb} = Combined annual emissions of Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride
 C_{Comb} = HAP content in coal (Arsenic, Beryllium, Cadmium, Lead, Mercury, Phosphorus, Radionuclides, Selenium, and Hydrogen Fluoride), dry basis, actual fraction as determined by the most recent sampling and analysis
 Q_{Coal} = Coal Consumption in dry tons per year

To demonstrate compliance with the above emission limits, the Permittee shall calculate HAP emissions for each pollutant based on the type of coal and coal consumption.

Compliance with these HAP limits, in conjunction with the potential HAP emissions from the coal handling, ash handling and emergency generator will limit the source-wide single HAP and total HAP emissions to less than 10 and 25 tons per twelve (12) consecutive month period, respectively. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 326 IAC 20, (40 CFR Part 63, Subpart DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters)) do not apply to this source.

Change No. 4:

Condition D.1.6 (b) (now renumbered as D.1.7) has been added to include stack testing for HAPs.

D.1.67 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) ~~Within the two (2) calendar years following the most recent stack test, compliance with the PM limitation in Condition D.1.1 shall be determined by a performance stack test using methods as approved by the commissioner. The Permittee shall perform a stack test using methods approved by the commissioner, to show compliance with the PM limitation in Condition D.1.1 before December 31, 2007. This test shall be repeated by December 31 of every second calendar year following at least once every two (2) calendar years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.~~
- (b) **No later than 180 days after issuance of this Significant Permit Modification No. 107-22786, the Permittee shall perform emission testing for HCl, Antimony, Chromium, Cobalt, Manganese, and Nickel listed in Section 1.6(a) of this permit. Testing shall be repeated every two (2) years and shall be in accordance with Section C – Performance Testing.**

Change No. 5:

Upon further review, IDEM has determined that the following conditions do not need to be included in the permit, since they are each regulated by other agencies.

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

- (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. Any boiler tube chemical cleaning waste liquids, binding agent, or used oil combusted shall meet the toxicity characteristic requirements for non-hazardous waste.~~
- (c) ~~Any boiler tube chemical cleaning waste liquids fired in the boiler shall only contain the cleaning solution and two full volume boiler rinses.~~

D.1.10 Cleaning Waste Analysis [326 IAC 2-1.1-5(a)(4)] [40 CFR 261]

~~The Permittee shall use appropriate test methods as listed in 40 CFR Part 261 to analyze all boiler chemical cleaning wastes that will be burned, to determine concentration of the compounds listed in the Operation Standards condition in this D section.~~

Change No. 6:

Condition D.1.11 and D.1.12 have been added to include the Coal sampling for Chlorine contents and other hazardous air pollutants.

D.1.11 Hydrogen Chloride Emissions and Chlorine Content

- (a) **The coal consumption (Q_{Coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in the Unit 5 and Unit 6.**
- (b) **Coal sampling for determining chlorine shall be performed using one of the procedures required in the Condition D.1.10 (a) or by the fuel supplier as specified in (e).**

- (c) **Coal samples shall be analyzed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned.**
- (d) **Samples shall be composited as required in Condition D.1.10. The samples shall be analyzed for total chlorine and moisture using one of the following methods:**
 - 1. **ASTM D6721-01 Standard Test Method for Determination of Chlorine in Coal by Oxidative Hydrolysis Microcoulometry.**
 - 2. **ASTM D4208-02 Standard Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method.**
 - 3. **ASTM D2361-02 Standard Test Method for Chlorine in Coal.**
 - 4. **ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.**
 - 5. **ASTM D3302-02a Standard Test Method for Total Moisture in Coal.**
- (e) **The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:**
 - 1. **ASTM D6721-01 Standard Test Method for Determination of Chlorine in Coal by Oxidative Hydrolysis Microcoulometry.**
 - 2. **ASTM D4208-02 Standard Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method.**
 - 3. **ASTM D2361-02 Standard Test Method for Chlorine in Coal.**
 - 4. **ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.**
 - 5. **ASTM D3302-02a Standard Test Method for Total Moisture in Coal.**

D.1.12 Hazardous Air Pollutant Emissions

- (a) **The coal consumption (Q_{Coal}) in Condition D.1.6 shall be determined each month based on the actual coal burned in Unit 5 and Unit 6.**
- (b) **Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (a) shall be performed at least once per month and whenever new coal (including a different type of coal or coal from a different supplier) is bunkered or burned, using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).**
- (c) **Coal sampling for determining the hazardous air pollutant concentration identified in condition D.1.6 (b) shall be performed quarterly using one of the procedures required in the item (d) or by the fuel supplier as specified in (e).**
- (d) **The samples shall be analyzed for the trace HAP substances identified in condition D.1.6 and moisture using one of the following methods:**

1. **ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.**
 2. **ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.**
 3. **ASTM D3302-02a Standard Test Method for Total Moisture in Coal.**
- (e) **The fuel sampling and analysis requirement in this section may also be conducted by the fuel supplier using one of the following methods:**
1. **ASTM D3683-04 Standard Test Method for Trace Elements in Coal and Coke Ash by Atomic Absorption.**
 2. **ASTM D3173-03 Standard Test Method for Moisture in the Analysis Sample of Coal and Coke.**
 3. **ASTM D3302-02a Standard Test Method for Total Moisture in Coal.**

Change No. 7:

Condition D.1.14 (now renumbered as D.1.16) Record Keeping Requirements has been revised to include record keeping for HAPs.

D.1.1416 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.3 and ~~D.1.9~~ **D.1.10**, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be sufficient to demonstrate compliance using a **calendar month** thirty (30) day rolling weighted average and shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.3.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual coal usage since last compliance determination period;
 - (3) Sulfur content and heat content; and
 - (4) Sulfur dioxide emission rates.
- (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.
- (c) To document compliance with Section C - Opacity and Conditions D.1.1, D.1.2, ~~D.1.4,~~ D.1.5, ~~D.1.6,~~ **D.1.7,** ~~D.1.10,~~ ~~D.1.11,~~ ~~D.1.12,~~ D.1.13, D.1.14 and D.1.15, **D.1.16, and D.1.17**, the Permittee shall maintain records in accordance with (1) through (5) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C – Opacity and in Conditions D.1.1 and D.1.2.
- (1) Data and results from the most recent stack test;
 - (2) All continuous emissions monitoring data, pursuant to 326 IAC 3-5;
 - (3) All parametric monitoring readings;
 - (4) Records of the results of the ESP and multiclone inspections; and
 - (5) All preventive maintenance measures taken

- (d) **To document compliance with Conditions D.1.6, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be sufficient to establish a 12 consecutive month annual emissions rate and shall be complete and sufficient to demonstrate compliance with the HAP limits established in Condition D.1.6.**
- (1) **Actual coal usage since last compliance determination period and records of stack test results and all calculations per Condition D.1.6;**
 - (2) **Chlorine content and Moisture Content in the coal;**
 - (3) **Each monthly analysis of the Antimony, Chlorine, Chromium, Cobalt, Manganese, and Nickel content of the coal.**
- (e) **The Permittee shall maintain records of coal sampling analyses as required in Condition D.1.12(c) on quarterly basis.**
- (f) ~~(d)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Change No. 8:

Condition D.1.15 (now renumbered as D.1.17) Reporting Requirements condition has been revised to require HAPs usage reporting.

D.1.1517 Reporting Requirements

- (b) **A quarterly summary of the information to document compliance with Condition D.1.6(a) and (b) 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).**

Change No. 9:

Conditions D.1.11, D.1.12, and D.1.13, (now renumbered as D.1.13, D.1.14, and D.1.15 respectively) have been revised to replace the reference to Compliance Response Plan with the Response to Excursions or Exceedances.

D.1.1413 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- ***
- (b) Reasonable response steps shall be taken in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances** whenever more than one of T-R sets is out of service. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of deviation~~ **violation of deviation** from this permit.

D.1.1214 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- ***
- (b) Opacity readings in excess of thirty percent (30%) for Unit 5 or twenty percent (20%) for Unit 6 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 - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of deviation~~ **violation of deviation** from this permit.

D.1.4315 Monitoring: Multiclone [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (e) (a) The ability of the multiclone to control particulate emissions from Unit 5 shall be monitored at least once per ~~shift~~ **day**, when the unit is in operation, by measuring and recording the total static pressure drop across the multiclone. Pressure drop monitoring equipment shall be installed in accordance with Section C - Compliance Monitoring.
- (e) (b) Normal operating range will be determined within the first two hundred (200) hours of boiler operation after installation of the pressure drop monitoring equipment. The IDEM shall be notified within the first two hundred (200) hours of this determination.
- (e) (c) Reasonable response steps shall be taken in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances** whenever the static pressure drop is outside the normal operating range of the corresponding boiler steam load. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

Change No. 10:

- (1) Upon further review, IDEM has determined that once per day visible emission notations and once per day monitoring of the control device is generally sufficient to ensure proper operation of the emission units and control devices. Therefore, the monitoring frequency has been changed from once per shift to once per day in the revised permit.
- (2) Conditions D.2.5, and D.2.6 have been revised to replace the reference to Compliance Response Plan with the Response to Excursions or Exceedances.

D.2.5 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of the baghouse stack exhaust shall be performed once per ~~shift~~ **day** during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

- (f) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**.
- (g) If abnormal emissions are observed at any baghouse exhaust, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**. 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 Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.
- (h) If any visible emissions of dust are observed from the coal unloading station doorways, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**. Observation of visible 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 Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

D.2.6 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the ~~total static~~ pressure drop across the baghouse used in conjunction with the ash load-in system at least once per ~~shift~~ **day** when the ash load in is in operation when venting to the atmosphere. When for any one reading during the collection cycle of the ash load-in system the pressure differential across the baghouse exhibits a reading outside of the normal range of ~~4.0 to 29~~ **3.0 to 27.0** inches of water, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**. A pressure reading outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C- ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - ~~Pressure Gauge and Other Instrument Specifications~~, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

~~D.2.8 Baghouse Inspections~~

- ~~(a) An inspection shall be performed within the last month of each calendar quarter of all bags controlling particulate emissions from the ash load in processes. All defective bags shall be replaced.~~
- ~~(b) If an abnormal or improper condition is found during an inspection, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports. Discovery of an abnormal or improper condition 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 violation of this permit.~~

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

D.2.98 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations of the baghouse stack exhaust.
- (b) To document compliance with Conditions D.2.6 ~~and D.2.8~~, the Permittee shall maintain the following:
- (1) Records of the total static pressure drop readings across the baghouse; and
 - (2) Records of the results of the baghouse inspections.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Change No. 11:

The insignificant emission units listed under Section D.3 are no longer in operation. Based on the information from source, the following emission units are removed from the permit and Condition A.3 is revised 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 portable source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):~~

- (a) ~~Equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment and welding equipment.~~
- (b) ~~Structural steel and bridge fabrication activities:
 - (1) ~~Cutting 200,000 linear feet or less of one inch (1") plate or equivalent~~
 - (2) ~~Using 80 tons or less of welding consumables.~~~~

This stationary source does not currently have any specifically regulated insignificant activities, as defined in 326 IAC 2-7-1(21).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (1) ~~Equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.~~
- (2) ~~Structural steel and bridge fabrication activities:
 - (a) ~~Cutting 200,000 linear feet or less of one inch (1 ") plate or equivalent.~~
 - (b) ~~Using 80 tons or less of welding consumables.~~~~

~~(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.3.1 Record Keeping Requirements

~~Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the brazing equipment, cutting torches, soldering equipment, welding equipment and structural steel and bridge fabrication activities shall not exceed the allowable PM emission rate based on the following equation:~~

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

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

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

Change No. 12:

The following Reporting Form has been added for HAPs reporting.

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

Part 70 Quarterly Report

Source Name: Crawfordsville Electric Light and Power
Source Address: 700 Lafayette Road, Crawfordsville, Indiana 47933
Mailing Address: 808 Lafayette Road, P.O.Box 428, Crawfordsville, Indiana 47933
Part 70 Permit No.: T107-6495-00003

Facility: Unit 5 and Unit 6
Parameter: Single HAP and Total HAPs
Limit: Each individual hazardous air pollutant and total hazardous air pollutants are limited to less than 9.9 and 24.9 tons per twelve (12) consecutive month period respectively, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 3
	Coal Consumption (tons)	Chlorine Content (%)	Moisture Content (%)
Month 1			
Month 2			
Month 3			

Month	Total Emissions This Month (tons)				Total Emissions Previous 11 Months (tons)		Total Emissions 12 Months (tons)	
	Pollutant	HAP Content (based on sampling)	Single HAP	Combined HAPs	Single HAP	Combined HAPs	Single HAP	Combined HAPs
Month 1	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								
Month 2	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								
Month 3	Hydrogen Chloride							
	Antimony							
	Chromium							
	Cobalt							
	Manganese							
	Nickel							
	Arsenic							
	Beryllium							
	Cadmium							
	Lead							
	Mercury							
	Phosphorus							
	Radionuclides							
	Selenium							
Hydrogen Fluoride								

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

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

Attach a signed certification to complete this report.

Conclusion and Recommendation

This source shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 107-22786-00003. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.