



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 6, 2010

RE: Indianapolis Power & Light / 097 - 26974 - 00033

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

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 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, Suite N 501E, 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.



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January 6, 2010

Ms. Jennifer Hatfield
Indianapolis Power & Light Company - Harding Street Generating Station
3700 S. Harding Street
Indianapolis, Indiana 46217

Re: 097-26974-00033
Significant Permit Modification to
Part 70 Operating Permit No.: T097-6566-00033

Dear Ms. Hatfield:

Indianapolis Power & Light Company - Harding Street Generating Station was issued a Part 70 Operating Permit on July 3, 2006 for a stationary source consisting of coal, distillate oil and waste oil fired utility boilers, as well as, natural gas and distillate oil fired gas turbine combustion units to produce electricity for sale under a Standard Industrial Classification (SIC) Code of 4911 (establishments engaged in the generation, transmission or distribution of electric energy for sale).

Letters requesting changes to this permit were received on April 1, 2008, June 13, 2008 and September 10, 2009. The letter received on September 10, 2009, requested the incorporation of alternative opacity monitoring requirements for one (1) Combustion Engineering Boiler number 70, identified as Unit #7. On October 31, 2008, Commissioner's Order #2008-02 was signed authorizing the alternative opacity monitoring requirements. This Significant Permit Modification No. 097-26974-00033 incorporates the requirements of the Commissioner's Order into Part 70 Operating Permit T097-6566-00033. The letters received on April 1, 2008 and June 13, 2008, requested the incorporation of the applicable requirements of the Clean Air Interstate Rule (CAIR) into the Part 70 Operating Permit. This Significant Permit Modification No. 097-26974-00033 incorporates the requirements of (CAIR) in Part 70 Operating Permit No. T097-6566-00033.

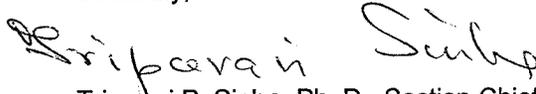
Finally, Indianapolis Power & Light Company - Harding Street Generating Station filed a request for an Administrative Review of Part 70 Operating Permit No. T097-6566-00033 on August 2, 2006, First Significant Permit Modification No. 097-23699-00033 on August 9, 2007, and First Administrative Amendment No. 097-25359-00033 on November 14, 2007. All three appeals were consolidated into Cause No. 06-A-J-3763. On October 20, 2008, an agreement and joint agreement and motion for stay was reached that would resolve the petition for administrative review. Based on this settlement, IDEM has revised several permit conditions to resolve the petition as agreed in the settlement.

Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved for the above modifications as described in the attached Technical Support Document.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact David J. Matousek, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for David J. Matousek or extension (2-8253), or dial (317) 232-8253.

Sincerely,


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

Attachments:
Updated Permit
Technical Support Document

DJM/djm

cc: File – Marion County
Marion County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Office of Legal Counsel – Justin D. Barrett



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PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

Indianapolis Power & Light Company - Harding Street Generating Station

3700 South Harding Street, Indianapolis, Indiana 46217
4190 South Harding Street, Indianapolis, Indiana 46217

(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.: T 097-6566-00033	
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch, Office of Air Quality, and Felicia A. Robinson, Administrator Indianapolis Office of Environmental Services	Issuance Date: July 3, 2006 Expiration Date: July 3, 2011

First Significant Permit Modification No. 097-23699-00033, issued on July 25, 2007;
First Administrative Amendment No. 097-25359-00033, issued on October 22, 2007;
Exemption No. 097-27331-00033, issued on January 9, 2009;
Second Administrative Amendment No. 097-27608-00033, issued on March 23, 2009; and
Second Acid Rain Renewal No.: 097-28123-00033, issued on August 31, 2009.

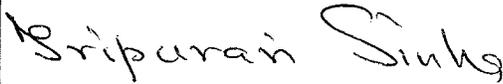
Second Significant Permit Modification No.: 097-26974-00033	
Issued by:  Tripurari P. Sinha, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date: January 6, 2010 Expiration Date: July 3, 2011

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- D.3.6 Sulfur and Nitrogen Content [326 IAC 12][40 CFR 60.334]

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

Emergency Occurrence Report (two pages)

Part 70 Usage Report (Unit GT4 and GT5)

Part 70 Report (Unit GT6)

Quarterly Deviation and Compliance Monitoring Report (two pages)

Attachment A: Title IV (Acid Rain) Permit Renewal

Attachment B: Fugitive Dust Plan

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, A.3 and A.4 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 source consisting of coal, distillate oil and waste oil fired utility boilers, as well as, natural gas and distillate oil fired gas turbine combustion units to produce electricity for sale under a Standard Industrial Classification (SIC) Code of 4911 (establishments engaged in the generation, transmission or distribution of electric energy for sale).

Source Address:	3700 South Harding Street, Indianapolis, IN 46217 and 4190 South Harding Street, Indianapolis, IN 46217
Mailing Address:	3700 South Harding Street, Indianapolis, IN 46217
General Source Phone:	(317) 788-5200
SIC Code:	4911
County Location:	Marion
Source Location Status:	Marion County Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD and Nonattainment New Source Review Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This electric utility generating station consists of two (2) plants:

- (a) Plant 1 is located at 3700 South Harding Street, Indianapolis, Indiana 46217, and consists of utility boilers and natural gas and distillate oil fired gas turbines combustion units to produce electricity for sale; and
- (b) Plant 2 is associated with a communications transmitter tower located at 4190 South Harding Street, Indianapolis, Indiana 46217, and consists of one (1) 81 horsepower diesel fired emergency generator identified as Generator # 1.

Since the two (2) plants are located in adjacent or contiguous properties, have the same SIC code and are under common control of the same entity, they will be considered one (1) source effective from the date of issuance of this Part 70 permit.

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

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.

- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT1 identified as Unit GT1. Unit GT1 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT1-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT1 is 1973.
- (g) One (1) General Electric Gas Turbine Engine number GT2 identified as Unit GT2. Unit GT2 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT2-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT2 is 1973.
- (h) One (1) General Electric Gas Turbine Engine number GT3 identified as Unit GT3. Unit GT3 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT3-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT3 is 1973.
- (i) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.

- (j) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.
- (k) One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT-6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.
- (l) One (1) General Motors Reciprocating Internal Combustion Standby/Emergency Generator identified as Unit ST14. As an emergency generator, Unit ST14 will be operated less than 500 hours per year. Unit ST14 is distillate oil fired with a design heat input of 27.6 million Btu per hour. Equipped with no add on air pollution control equipment. Exhausting at Stack/Vent ID ST14-1. Installation date for Unit ST14 is 1967.
- (m) Coal material handling and storage system with a maximum annual capacity of 7.5 million tons per year and described as follows:
 - (1) One (1) crusher house, consisting of the following equipment:
 - (i) Two (2) crushers constructed in 1958;
 - (ii) One (1) self cleaning static grizzly constructed in 1996; and
 - (iii) One (1) self cleaning static grizzly constructed in 2006.
 - (2) One (1) covered conveyor system, constructed in 1931, consisting of the following equipment:
 - (i) No. 2 conveyor which transfers coal from the railcar receiving area to the crusher house;
 - (ii) No. 3 conveyor transfers coal from the crusher to No. 4 conveyor;
 - (iii) No. 4 conveyor transfers coal from the crusher to the cross-over conveyor;
 - (iv) Cross-over conveyor transfers coal from No. 4 conveyor to No. 5 conveyor or to conveyor 705 (which then transfers to conveyor 703 and to Unit 7); and
 - (v) No. 5 conveyor transfers coal from the cross-over conveyor to Unit 5 or Unit 6.
 - (3) One (1) covered conveyor system, constructed in 1958 and consisting of the following equipment:
 - (i) Conveyors identified as 600A, 600B, 601, 602, 605, and 606. 600A and 600B conveyor transfers coal from the railcar receiving area to 601 and 602 conveyors which transfer coal to the crusher house; and
 - (ii) 605 conveyor transfers coal to 606 or 703 conveyors. 605 and 606 conveyors are located inside the building and transfer coal to five (5) conveyors which transfer coal to Unit 5's and Unit 6's coal bunkers.
 - (4) One (1) covered conveyor system which became commercial in 1973 and consists of the following equipment:
 - (i) Conveyors identified as 701 and 702 transfer coal to either the crusher house or the low sulfur coal pile; and
 - (ii) Conveyors identified as 703 and 704 are the conveyors which transfer coal from 601, 602, and 605 conveyors to Unit 7's coal bunkers.
 - (5) One (1) covered conveyor system, constructed in 2006 and consisting of the following equipment:
 - (i) Conveyors identified as 801 and 802 transfer coal to the outside high sulfur coal storage pile.

- (6) One (1) covered conveyor system, constructed in 2006 and consists of the following equipment subject to 40 CFR Part 60, Subpart Y;
 - (i) Conveyors identified as 803 and 804 transfer coal from the high sulfur storage pile to the crusher house.
- (n) Limestone transfer from trucks and loader vehicles to the conveyor system, identified as T-1, with a maximum capacity to transfer 230,000 tons of limestone per year and using no control. Approved for construction in 2006.
- (o) Five (5) covered limestone conveyors, identified as T-2, with a maximum capacity to convey 230,000 tons of limestone per year and using no control. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, T-2 is considered an affected facility.
- (p) Two (2) 630 ton capacity limestone storage silos, identified as L7-1 and L7-2, using bin vents LC7-1 and LC7-2 as control, and exhausting to stack/vent LSV7-1 and LSV7-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L7-1 and L7-2 are each considered an affected facility.
- (q) Two (2) weigh feeders which transfer limestone from the silos to the two (2) enclosed wet ball mills (grinding mills) for grinding limestone, identified as BM7-1 and BM7-2. The ball mill grinding mills are located in a covered building. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, BM7-1 and BM7-2 are each considered an affected facility.
- (r) Gypsum transfer, identified as T-3, with a maximum capacity to transfer 414,000 tons of gypsum per year and using no control. Approved for construction in 2006.
- (s) Six (6) covered gypsum conveyors, identified as T-4, with a maximum capacity to convey 414,000 tons of gypsum and using no control. Approved for construction in 2006.

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

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

- (a) Fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight. [326 IAC 6.5-1-2(a)]
- (b) Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6-4 and 326 IAC 6-5]
- (c) Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2(a)]
- (d) Truck hauling and general activities on paved and unpaved roads and parking lots. [326 IAC 6-4 and 326 IAC 6-5]
- (e) Coal pile wind erosion. Coal drop points. Coal crushing. [326 IAC 6-4 and 326 IAC 6-5]
- (f) Two (2) flyash silos identified as Unit 5/6 Flyash Silo and Unit 7 Flyash Silo for truck loading. Each silo is exhausted to a baghouse. [326 IAC 6.5-1-2(a)]
- (g) Bottom ash and flyash retention ponds. [326 IAC 6-4 and 326 IAC 6-5]
- (h) Coal fly ash unloading from silos [326 IAC 6-4 and 326 IAC 6-5]

- (i) Coal ash handling and transfer [326 IAC 6-4 and 326 IAC 6-5]
- (j) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (k) One (1) 81 horsepower diesel fired emergency generator identified as Emission Unit ID Generator # 1 associated with a communication transmitter tower located at 4190 S. Harding Street, Indianapolis, Indiana, 46217. [326 IAC 6.5-1-2(a)]

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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

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

SECTION B

GENERAL CONDITIONS

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

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

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

- (a) This permit, T097-6566-00033, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

B.7 Duty to Provide Information [326 IAC 2-7-4(b)][326 IAC 2-7-5(6)(E)][326 IAC 2-7-6(6)]

- (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) A "responsible official" is defined at 326 IAC 2-7-1(34).

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

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

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

and

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

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

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

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

- (a) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit for the source described in 326 IAC 1-6-3. At a minimum, the PMPs shall contain the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require 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 PMP does 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 IDEM, OAQ, Compliance and Enforcement Branch), or:
Telephone Number: 317-233-0178 (ask for IDEM, OAQ, Compliance and Enforcement Branch)
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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

The notification which shall be submitted by the Permittee does not require the 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 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.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 T097-6566-00033 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 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application. [326 IAC 2-7-4(a)(2)(D) and (E)]

B.18 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]

- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

and

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

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

- (5) The Permittee maintains records 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 increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c). The notification requirement per (a)(4) of this condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21, 326 IAC 10-4, or 326 IAC 24.

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
Permit Administration and Support Section, 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 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 thirty percent (30%) 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.2 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.3 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.4 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.5 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on March 20, 2007. The plan is included as Attachment C.

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 good engineering practices (GEP) pursuant to 326 IAC 1-7-1(3).

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require 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 after issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The notification which shall be submitted by the Permittee does require the 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 Unit 7 Bypass stack, Unit 5 and Unit 6. For a boiler, the COM shall be in operation in accordance with 326 IAC 3-5 and 40 CFR Part 60 at all times that the forced 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 in line within twenty-four (24) hours of shutdown or malfunction or 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 later than twenty-four (24) hours after the start of the malfunction or down time; provided, however, that if such 24-hour period ends during the period beginning two (2) hours before sunset and ending two (2) hours after sunrise, then such visible emissions readings shall begin within four (4) hours of sunrise on the day following the expiration of such 24-hour period.
 - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is in online.
 - (3) Method 9 readings are not required on stacks with operating scrubbers.
 - (4) Method 9 readings may be discontinued once a COM is online.
 - (5) 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.

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 the IDEM, OAQ to approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate 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 plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.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 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 twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserve 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).

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 purposes of Part 70 fee assessment.

The statement must be submitted to:

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

The emission statement does require the 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 or ninety (90) days of initial start-up, whichever is later.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii)); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A) and/or 40 CFR 51.166 (r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2 2 1(qq) and/or 326 IAC 2 3 1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2 2 1(ee) and/or 326 IAC 2 3 1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2 2 1(rr) and/or 326 IAC 2 3 1(mm)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, 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 record keeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1(II)) at an existing 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 (d)(1) and (2) 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
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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 a 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 (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,
- Reports required in this part shall be submitted to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (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.
- (d) Pursuant to 40 CFR 82, Subpart E (The Labeling of Products Using Ozone-Depleting Substances), all containers in which a Class I or Class II substance is stored or transported and all products containing a Class I substance shall be labeled as required under 40 CFR Part 82.

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT1 identified as Unit GT1. Unit GT1 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT1-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT1 is 1973.
- (g) One (1) General Electric Gas Turbine Engine number GT2 identified as Unit GT2. Unit GT2 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT2-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT2 is 1973.
- (h) One (1) General Electric Gas Turbine Engine number GT3 identified as Unit GT3. Unit GT3 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT3-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT3 is 1973.

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

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

D.1.1 Marion County [326 IAC 6.5-6][326 IAC 2-7-5]

- (a) Pursuant to 326 IAC 6.5-6 (Marion County), the Permittee shall comply with the following emission limitations for particulate (PM):

Unit ID	PM Limit (pounds PM per million Btu)	PM Limit (tons per year)
Unit 3 (Boiler number 9)	0.015	1.9
Unit 4 (Boiler number 10)	0.015	2.2
Unit 5 (Boiler number 50)	0.135	82.2
Unit 6 (Boiler number 60)	0.135	82.2
Unit 7 (Boiler number 70)	0.10	830.7
Unit GT1 (Gas Turbine GT1)	0.015	0.28
Unit GT2 (Gas Turbine GT2)	0.015	0.28
Unit GT3 (Gas Turbine GT3)	0.015	0.28

- (b) Pursuant to 326 IAC 6.5-6-1(b) (Marion County), the Permittee shall be considered in compliance with the tons per year emission limits if within five percent (5%) of the emission limit established pursuant to 326 IAC 6.5-6.
- (c) Pursuant to 326 IAC 6.5 and 326 IAC 2-7-5, compliance with the PM tons per year limit for Units 3 and 4 shall be demonstrated by recording, on a monthly basis, the usage of oil in tons per twelve (12) consecutive month period and using the PM limit established in D.1.1(a) or an emission factor as determined from the most recent IDEM approved PM stack test in the following formula to determine the PM emissions for each month. Compliance shall then be determined by summing the values obtained from the formula for the most recent 12 consecutive month period.

$$\text{PM emissions (tons/month)} = \text{Oil usage (gallons/month)} * \text{PM content (lb/MMBtu)} * \text{Heat content (MMBtu/gal)} * 1 \text{ ton/2000 lbs}$$

Where: PM content = Limit contained in D.1.1(a) or an emission factor as determined from the most recent IDEM approved PM stack test and Heat content = 0.139 MMBtu/gal.

D.1.2 Sulfur Dioxide (SO₂) Emission Limitations: Marion County [326 IAC 7-4-2]

- (a) Pursuant to 326 IAC 7-4-2 (Sulfur Dioxide Emission Limitations: Marion County), the Permittee shall comply with the following emission limitations in pounds per million Btu:

Unit ID	SO ₂ Limit (pounds per million Btu)
Unit 3 and Unit 4 (Boiler number 9 and Boiler number 10)	0.35
Unit 5 and Unit 6 (Boiler number 50 and Boiler number 60)	4.7
Unit 7 (Boiler number 70)	5.3
Unit GT1, Unit GT2 and Unit GT3 (Gas Turbines GT1, GT2 and GT3)	0.35

- (b) As an alternative to the emission limitations listed above, pursuant to 326 IAC 7-4-2, Unit 3, 4, 5, 6 and Unit GT1, GT2 and GT3 may comply with any one (1) of the sets of alternative emission limitations in pounds per million Btu as follows:

Alternative Scenario	Unit ID	SO ₂ Limit (pounds per million Btu)
1	Unit 5 and Unit 6 (Boiler number 50 and Boiler number 60)	5.2
	Unit 3, Unit 4 and Unit GT1, GT2 and GT3 (Boiler number 9 and Boiler number 10 and Gas Turbines GT1, GT2 and GT3)	0.0
2	Unit 5 and Unit 6 (Boiler number 50 and Boiler number 60)	5.0
	Unit 3 and Unit 4 (Boiler number 9 and Boiler number 10)	0.0
	Unit GT1,GT2 and GT3 (Gas Turbines GT1, GT2 and GT3)	0.4
3	Unit 5 and Unit 6 (Boiler number 50 and Boiler number 60)	4.1
	Unit 3 and Unit 4 (Boiler number 9 and Boiler number 10)	0.35
	Unit GT1,GT2 and GT3 (Gas Turbines GT1, GT2 and GT3)	0.3
4	Unit 5 and Unit 6 (Boiler number 50 and Boiler number 60)	3.9
	Unit 3, Unit 4 and GT1, GT2 and GT3 (Boiler number 9 and Boiler number 10 and Gas Turbines GT1, GT2 and GT3)	0.35

- (1) IDEM, OAQ shall be notified prior to the reliance by the Permittee on any one (1) of the sets of alternative emission limitations as listed in the Table above.
- (2) A log of hourly operating status for each boiler shall be maintained and made available to IDEM, OAQ upon request. A daily summary indicating which boilers were in service during the day shall be submitted to IDEM, OAQ quarterly. In addition, records of the daily average sulfur content, heat content, and sulfur dioxide emission rate for each day in which an alternative set of emission limitations is used shall be submitted to IDEM, OAQ quarterly.
- (3) For the purposes of 326 IAC 7-2-1(c)(1), during thirty (30) day periods in which the Permittee relies on more than one (1) set of alternative emission limitations, a separate thirty (30) day rolling weighted average for each set of limitations shall be determined. Each thirty (30) day rolling average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limitations. If the Permittee does not operate thirty (30) days under any one (1) set of limitations within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limitations.

D.1.3 Startup, Shutdown and Other Opacity Limits [326 IAC 5-1-3]

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies to Unit 3 and Unit 4:
- (1) When building a new fire in Unit 3 or Unit 4, or shutting down Unit 3 or Unit 4, 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. Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6)-minute averaging periods in any twenty-four (24) hour period. [326 IAC 5-1-3(a)]
 - (2) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable limit established in 326 IAC 5-1-2 and stated in Section C - Opacity. However, opacity levels shall not exceed sixty percent (60%) for any six (6)-minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6)-minute averaging period in any sixty (60) minute period. The averaging periods shall not be permitted for more than three (3) six (6)-minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]
- (b) If Unit 3 or Unit 4 cannot meet the opacity limitations of 326 IAC 5-1-3(a) or (b), the Permittee may submit a written request to IDEM, OAQ, for a temporary alternative opacity limitation in accordance with 326 IAC 5-1-3(d). The Permittee must demonstrate that the alternative limit is needed and justifiable.

D.1.4 Startup, Shutdown and Other Opacity Limits [326 IAC 5-1-3(e)(2)] [326 IAC 5-1-3(b)]

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies to Unit 5, Unit 6 and Unit 7 Bypass Stack:
- (1) When building a new fire in Unit 5 or Unit 6, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of twenty-five (25) six (6)-minute averaged periods (2.5 hours) during the startup period, or until the flue gas temperature entering the electrostatic precipitator reaches two hundred and fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitator, whichever occurs first. [326 IAC 5-1-3(e)(2)]
 - (2) When building a new fire in Unit 7 Bypass Stack, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of fifty (50) six (6)-minute averaged periods (5.0 hours) during the startup period, or until the flue gas temperature entering the electrostatic precipitator reaches two hundred and fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitator, whichever occurs first. [326 IAC 5-1-3(e)(2)]
 - (3) When shutting down Unit 5, Unit 6 and/or Unit 7 Bypass Stack, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of ten (10) six (6)-minute averaging periods (1.0 hours) for each Unit. [326 IAC 5-1-3(e)(2)]
 - (4) Operation of the electrostatic precipitator for each Unit is not required during these times. [326 IAC 5-1-3(e)]
- (b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable limit established in 326 IAC 5-1-2. However, opacity levels shall not exceed sixty percent (60%) for any six (6)-minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6)-minute averaging 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. [326 IAC 5-1-3(b)]

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

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

No later than twenty four (24) months after the effective date of the Part 70 Permit for this source, compliance with the PM limitation in Condition D.1.1(a) for Boilers 50 and 60, identified as Units 5 and 6, shall be determined by a performance stack test conducted utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two (2) years following the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.6 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitators (ESPs) shall be operated at all times that Boiler 50, 60 and 70, identified as Unit 5, 6 and 7, are in operation.

D.1.7 Continuous Monitoring of Emissions [326 IAC 3-5]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous opacity monitoring systems for Unit 5, Unit 6 and Unit 7 Bypass Stack shall be calibrated, maintained, and operated for measuring opacity, which meets the performance specifications of 326 IAC 3-5-2.
- (b) Pursuant to Commissioner's Order #2008-02, in lieu of the requirement to monitor opacity in the stack exhaust from the scrubbed stack of Unit 7, in accordance with 326 IAC 3-5-1(c)(2)(A), the Permittee shall comply with the following alternative monitoring plan:
- (1) Until the continuous emission monitoring system (CEMS) for monitoring particulate matter from the scrubber stack exhaust of Unit 7 is installed and certified, the continuous opacity monitoring system for Unit 7 shall be calibrated, maintained and operated for measuring opacity, which meets the performance specification of 326 IAC 3-5-2.
 - (2) After the installation and certification of the continuous emission monitoring system (CEMS) for monitoring particulate matter from the scrubber stack exhaust of Unit 7, compliance with PM limitations in Condition D.1.1 shall be demonstrated using a certified PM CEMS installed and certified in accordance with US EPA Performance Specification 11 (PS-11) and operated in accordance with Procedure 2 of Appendix F to 40 CFR 60.
 - (3) Upon successful completion of the certification of the PM CEMS, the Permittee shall submit all required certification testing information to:

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

D.1.8 Sulfur Dioxide Emissions (SO₂) and Sulfur Content [326 IAC 7-2][326 IAC 7-4-2]

Compliance for Unit 5, Unit 6 and Unit 7 shall be determined as follows:

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of the SO₂ limitation(s) in pounds per million Btu for Unit 5, Unit 6 and Unit 7 stated in Condition D.1.2, using a thirty (30) day rolling weighted average.
- (b) The Permittee shall demonstrate compliance with these requirements through the operation of a continuous emissions monitor.

D.1.9 Sulfur Dioxide Emissions (SO₂) and Sulfur Content [326 IAC 7-2][326 IAC 7-4-2][326 IAC 3-7-4]

Compliance for Unit 3, Unit 4 and Unit GT1, Unit GT2 and Unit GT3 shall be determined as follows:

- (a) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of the SO₂ limitation(s) in pounds per million Btu for Unit 3, Unit 4 and Unit GT1, Unit GT2 and Unit GT3 stated in Condition D.1.2 using a calendar month average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7-4, fuel sampling and analysis data shall be collected as follows:
 - (1) The Permittee may rely upon vendor analysis of fuel delivered, if accompanied by a vendor certification [326 IAC 3-7-4(b)]; or,
 - (2) The Permittee shall perform sampling and analysis of fuel oil samples in accordance with 327 IAC 3-7-4(a).
 - (A) Oil samples shall be collected from the tanker truck load prior to transferring fuel to the storage tank; or
 - (B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank; or
 - (C) Oil samples shall be collected from the transfer pipe as oil is being unloaded from the tanker truck load and is being transferred to the storage tank.
- (c) Pursuant to 326 IAC 7-2-1(d), compliance or noncompliance with the emission limitations contained in 326 IAC 7-4 may be determined by a stack test conducted in accordance with 326 IAC 3-6 utilizing procedures outlined in 40 CFR 60, Appendix A, Method 6, 6A, 6C or 8.
- (d) A determination of noncompliance, pursuant to either 326 IAC 7-2-1(d) or 326 IAC 7-2-1(e), shall not be refuted by evidence of compliance pursuant to the other method.
- (e) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

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

D.1.10 Electrostatic Precipitator Parametric Monitoring [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) The ability of the ESP's to control particulate emissions shall be monitored once per day, when the Units are in operation, by measuring and recording the primary and secondary voltages and the currents of the transformer-rectifier (T-R) sets.

- (b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below 90 percent and when the Unit is deemed to be in its normal or usual manner of operation. T-R set failure resulting in less than 90 percent availability is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
- (c) The requirements in (a) and (b) above do not apply to Unit 7 when exhausting through the scrubbed stack.

D.1.11 Opacity Readings [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Beginning April 1, 2007 and thereafter, except during periods of startup and shutdown, appropriate response steps shall be taken whenever opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods for Unit 5 or Unit 6. Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service.
- (b) Beginning April 1, 2007 and thereafter, except during periods of startup and shutdown, appropriate response steps will be taken whenever opacity exceeds twenty percent (20%) for three (3) consecutive six (6) minute averaging periods for Unit 7 Bypass Stack. Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty percent (20%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service.
- (c) Opacity readings in excess of the levels set forth in subparagraphs (a) and (b) of this Condition but not exceeding the opacity limit for the Unit specified 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) The Permittee may request that the IDEM, OAQ approve a different opacity trigger level than the one specified in (a), (b) and (c) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

D.1.12 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission (VE) notations of Unit 3 and/or Unit 4 stack exhaust(s) shall be performed once per day during normal daylight operations when the given unit is operating for more than two (2) continuous daylight hours and combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) If abnormal emissions are observed at Unit 3 and/or Unit 4 exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (c) "Normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shutdown time.

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

D.1.13 NO_x and SO₂ Continuous Emission Monitoring Systems [326 IAC 2-7-6][326 IAC 2-7-5(3)]

- (a) The Permittee shall install, certify, calibrate, maintain and operate continuous emission monitoring systems (CEMS) and related equipment measuring NO_x and SO₂ emissions from Unit 5, Unit 6 and Unit 7.
 - (1) These continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other relevant performance specification, and certification requirements pursuant to 326 IAC 3-5-3.
 - (2) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (b) Whenever the SO₂ continuous emission monitoring systems (CEMS) on Units 5 or 6 is malfunctioning or down for repairs or adjustments and a backup CEMS is not brought on-line for more than 24 hours, the following shall be used to provide information related to SO₂ emissions:
 - (1) Conduct fuel sampling as specified in 326 IAC 3-7-2(b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative of either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emission monitoring;

or

 - (2) Comply with the relevant requirements of 40 CFR Part 75 Subpart D - Missing Data Substitution Procedures.
- (c) Whenever the SO₂ continuous emissions monitoring system (CEMS) on Unit 7 is malfunctioning or down for repairs or adjustment and a backup CEMS is not brought on-line for more than 24 hours, the Permittee shall comply with the requirements of 40 CFR 75 Subpart D.

D.1.14 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 2-7-5(3)(A)]

- (a) The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 7 scrubbed stack to the atmosphere and record the output of the system as specified in paragraphs (a)(1) through (a)(2).
 - (1) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11.
 - (2) Compliance with the applicable particulate emission limit shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.
- (b) Whenever Unit 7 exhausts to the scrubbed stack and this particulate (PM) continuous emission monitoring system (CEMS) is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

- (1) The ability of the FGD to control particulate matter emissions shall be monitored once per day when Unit 7 is in operation by measuring and recording the following:
 - (a) Number of recycle pumps in service; and
 - (b) Absorber pH.

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

D.1.15 Record Keeping Requirements

- (a) To document compliance with Section C - Opacity and Conditions D.1.1, D.1.3, D.1.4, D.1.5, D.1.10, D.1.12 and D.1.14, the Permittee shall maintain records in accordance with (1) through (8) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C – Opacity and Conditions D.1.1, D.1.3 and D.1.4:
 - (1) Monthly and twelve (12) consecutive month distillate oil consumption in Unit 3, Unit 4 and Units GT1, GT2 and GT3;
 - (2) Data and results from the most recent stack test;
 - (3) PM continuous emissions monitoring data associated with Unit 7 scrubbed stack as required in Condition D.1.14.
 - (4) All continuous opacity monitoring data, pursuant to 326 IAC 3-5;
 - (5) The results of all visible emission (VE) notations. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day);
 - (6) The results of all Method 9 visible emission readings taken during any periods of COM downtime;
 - (7) To document compliance with Condition D.1.10, the Permittee shall maintain a daily record of the primary and secondary voltages and the current readings of the transformer-rectifier sets of the electrostatic precipitators, identified as Control Equipment ID CE 50 and Control Equipment ID CE 60, controlling emissions from Unit 5 and Unit 6, respectively. The Permittee shall include in its daily record when the primary and secondary voltage and current readings are not taken and the reason for the lack of primary and secondary voltage and current readings (e.g. the process did not operate that day).
 - (8) To document compliance with D.1.14, the Permittee shall maintain a record of the number of recycle pumps in service and the absorber pH associated with the FGD when Unit 7 exhausts to the scrubbed stack and PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more and a backup CEMS is not brought on-line. On days when Unit 7 exhausts to the scrubbed stack and PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more and a backup CEMS is not brought on-line, the Permittee shall include in its record when readings are not taken and the reason for the lack of readings. (e.g. the boiler did not operate that day.)

- (b) To document compliance with Condition D.1.2, D.1.8 and D.1.13, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.2 for Unit 5, Unit 6 and Unit 7.
- (1) When using SO₂ CEMs to demonstrate compliance, all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(t);
 - (2) When using fuel sampling and analysis to demonstrate compliance, all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Calculated actual fuel usage during each SO₂ CEM downtime for the Unit(s) affected by CEM downtime lasting 24 or more hours.
 - (4) The substitute data used for the missing data periods if data substitution pursuant to 40 CFR Part 75 Subpart D is used to provide data for the SO₂ CEM downtime, in accordance with Condition D.1.13.
- (c) To document compliance with Condition D.1.2 and D.1.9, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.2 for Unit 3, Unit 4, Unit GT1, Unit GT2 and Unit GT3.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Monthly weighted average sulfur content;
 - (3) Fuel heat content;
 - (4) Fuel consumption;
 - (5) Monthly weighted average sulfur dioxide emission rate in pounds per million Btu;
 - (6) A log of hourly operating status for each Unit and a daily summary indicating which Units were in service during the day.
- (d) 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.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.16 Reporting Requirements

A quarterly report of opacity exceedances, continuous emission monitor exceedances and a quarterly summary of the information to document compliance with Condition D.1.1, D.1.2, D.1.8, D.1.9 and D.1.13 shall be submitted to the address(es) 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

FACILITY OPERATION CONDITIONS

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

- (i) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.
- (j) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.

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

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

D.2.1 General Provisions Relating to NSPS [326 IAC 12][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to Unit GT4 and Unit GT5 as described in this section except when otherwise specified in 40 CFR Part 60, Subpart GG (Standards of Performance for Stationary Gas Turbines).

D.2.2 New Source Performance Standards (NSPS) [326 IAC 12][40 CFR 60, Subpart GG]

Pursuant to 326 IAC 12 (New Source Performance Standards) and 40 CFR 60, Subpart GG (Standards of Performance for Stationary Gas Turbines), the Permittee shall:

- (a) Limit nitrogen oxides (NO_x) emissions, as required by 40 CFR 60.332, to:

$$\text{STD} = (0.0075) * (14.4/Y) + F$$

Where: STD = Allowable NO_x emissions in percent by volume at fifteen percent (15%) oxygen and on a dry basis (ppm = percent by volume x 10⁴).

Y = Manufacturer's rated heat rate at manufacturer's rated load or, actual measured heat rate based on the lower heating value of fuel as measured at peak load in kilojoules per watt hour. Y shall not exceed 14.4 kilojoules per watt hour.

F = The fuel bound nitrogen allowance as defined in 40 CFR 60.332(a)(3).

- (b) Limit sulfur dioxide (SO₂) emissions, as required by 40 CFR 60.333, to 0.015 percent by volume at fifteen percent (15%) oxygen on a dry basis, or use natural gas fuel with a sulfur content less than or equal to eight tenths percent (0.8%) by weight.

D.2.3 Nitrogen Oxides (NO_x) – Best Available Control Technology (BACT) [326 IAC 2-2] [Construction Permit 097-2206-00033]

Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration Requirements) and Construction Permit 097-2206-00033 issued August 27, 1992, Unit GT4 and Unit GT5 shall comply with the following BACT requirements for nitrogen oxides (NO_x) emissions:

- (a) Application of wet injection;
- (b) When burning natural gas, the NO_x emission rate shall not exceed forty two (42) ppmv at fifteen percent (15%) oxygen and on a dry basis;
- (c) When burning distillate oil, the NO_x emission rate shall not exceed sixty five (65) ppmv at fifteen percent (15%) oxygen and on a dry basis.

Pursuant to Operation Condition 13 of the Construction Permit 097-2206-00033 issued August 27, 1992, compliance with BACT requirements for nitrogen oxides (NO_x) emissions shall ensure compliance with NO_x emission rate specified in Condition D.2.2(a) and 40 CFR 60.332(a)(1).

D.2.4 PSD Minor Limit [326 IAC 2-2][Construction Permit 097-2206-00033]

Pursuant to 326 IAC 2-2(Prevention of Significant Deterioration Requirements) and Construction Permit 097-2206-00033 issued August 27, 1992:

- (a) The fuel sulfur weight percent of distillate oil fired in Unit GT4 and Unit GT5 is limited to five hundredths (0.05) percent by weight; and
- (b) The combined total natural gas throughput (no fuel oil combusted) for Unit GT4 and Unit GT5 is limited to 6300 million cubic feet per twelve (12) consecutive month period with compliance determined at the end of each month; and
- (c) The combined total distillate fuel oil throughput (no natural gas combusted) for Unit GT4 and Unit GT5 is limited to 12.8 million gallons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (d) One gallon of distillate fuel oil can be substituted for each 293 cubic feet reduction of natural gas consumption per twelve (12) consecutive month period with compliance determined at the end of each month.

This is equivalent to sulfur dioxide (SO₂) emission of less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month such that 326 IAC 2-2 will not apply to SO₂ emissions but will apply to NO_x emissions.

D.2.5 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Unit GT4 and Unit GT5 shall each not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.2.6 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide (SO₂) Emission Limitations), SO₂ emissions from Unit GT4 and Unit GT5 shall each not exceed five tenths (0.5) pounds per million Btu when burning distillate oil. Compliance with 326 IAC 12 (New Source Performance Standards) and 40 CFR 60.333, Subpart GG (Standards of Performance for Stationary Gas Turbines) will demonstrate compliance with 326 IAC 7-1.1-2 (Sulfur Dioxide (SO₂) Emission Limitations).

D.2.7 Opacity Limitations [326 IAC 2-2] [Construction Permit 097-2206-00033] [326 IAC 5-1]

Pursuant to the Construction Permit 097-2206-00033 issued August 27, 1992, opacity for Unit GT4 and Unit GT5 each shall not exceed twenty percent (20%) as determined by 40 CFR Part 60, Appendix A, Method 9.

Compliance Determination Requirements

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Within five (5) years from the date of the last valid compliance test, and in order to show compliance with Condition D.2.3 for Unit GT4 and Unit GT5, the Permittee shall conduct NOx emissions testing by a performance stack test utilizing methods as approved by the Commissioner. This test shall be repeated at least every five (5) years following the date of the last valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.2.9 New Source Performance Standard (NSPS) [326 IAC 12] [40 CFR Part 60, Subpart GG]

Pursuant to 40 CFR 60.334(a), the Permittee shall operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water to fuel being fired in Unit GT4 and Unit GT5.

D.2.10 Sulfur and Nitrogen Content [326 IAC 12] [40 CFR 60.334]

Pursuant to 40 CFR 60.334(b), the Permittee shall monitor the daily sulfur content and the nitrogen content of the fuel being fired in Unit GT4 and Unit GT5 in accordance with the EPA custom schedule approved on October 26, 2000.

D.2.11 Sulfur Dioxide Emissions (SO₂) and Sulfur Content [326 IAC 7-2][326 IAC 7-1.1-2]

Compliance for Unit GT4 and Unit GT5 shall be determined as follows:

- (a) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that the sulfur dioxide emissions for Unit GT4 and Unit GT5 each do not exceed the equivalent of five tenths (0.5) pounds per million Btu using a calendar month average.
- (b) Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7-4, the fuel sampling and analysis data shall be collected as follows:
 - (1) The Permittee may rely upon vendor analysis of fuel delivered, if accompanied by a vendor certification [326 IAC 3-7-4(b)]; or
 - (2) The Permittee shall perform sampling and analysis of fuel oil samples in accordance with 327 IAC 3-7-4(a).
 - (A) Oil samples shall be collected from the tanker truck load prior to transferring fuel to the storage tank; or
 - (B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank; or
 - (C) Oil samples shall be collected from the transfer pipe as oil is being unloaded from the tanker truck load and is being transferred to the storage tank.
- (c) Pursuant to 326 IAC 7-2-1(d), compliance or noncompliance with the emission limitations contained in 326 IAC 7-4 may be determined by a stack test conducted in accordance with 326 IAC 3-6 utilizing procedures outlined in 40 CFR 60, Appendix A, Method 6, 6A, 6C or 8.
- (d) A determination of noncompliance, pursuant to either 326 IAC 7-2-1(d) or 326 IAC 7-2-1(e), shall not be refuted by evidence of compliance pursuant to the other method.

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

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

D.2.12 Sulfur and Nitrogen Content [326 IAC 12][40 CFR 60.334]

The Permittee shall comply with the following custom monitoring schedule for Unit GT4 and Unit GT5 as approved for the site by the USEPA on October 6, 2000:

- (a) Monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbine.
- (b) Sulfur Monitoring:
 - (1) Analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternate method. The reference methods are: ASTM D1072-80; ASTM D3031-81; ASTM 3246-81; and ASTM D4084-82 as referenced in 40 CFR 60.335(d).
 - (2) Effective the date of this custom schedule, sulfur monitoring shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60.333, then sulfur monitoring shall be conducted once per quarter for six quarters.
 - (3) If after the monitoring required in item (b)(2) above, or herein. The sulfur content of the fuel shows little variability and, calculated as sulfur dioxide, represents consistent compliance with the sulfur dioxide emission limits specified under 40 CFR 60.333, sample analysis shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.
 - (4) Should any sulfur analysis as required in items (b)(2) or (b)(3) above indicate noncompliance with 40 CFR 60.333, the Permittee shall notify IDEM, OAQ and USEPA of such excess emissions and the custom schedule shall be re-examined. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.
 - (5) If there is a change in fuel supply, the Permittee must notify IDEM, OAQ and USEPA of such change for re-examination of this custom schedule. A substantial change in fuel quality shall be considered as a change in fuel supply. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.
 - (6) Records of sample analysis and fuel supply pertinent to this custom schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.

D.2.13 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission (VE) notations of Unit GT4 and/or Unit GT5 stack exhaust(s) shall be performed once per day during normal daylight operations when the given unit is operating for more than two (2) continuous daylight hours and combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

- (b) If abnormal emissions are observed at Unit GT4 and/or Unit GT5 exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (c) "Normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.2.14 Record Keeping Requirements

- (a) To document compliance with Conditions D.2.2, D.2.3, D.2.4, D.2.5, D.2.6, D.2.7, D.2.8, D.2.9, D.2.11, D.2.12 and D.2.13, 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 Conditions D.2.2, D.2.3, D.2.4, D.2.5, D.2.6 and D.2.7:
 - (1) Data and results from the most recent stack test;
 - (2) All fuel nitrogen content and sulfur content monitoring data;
 - (3) Records of fuel usage;
 - (4) Records of the fuel consumption and the ratio of water to fuel being fired in Unit GT4 and Unit GT5; and
 - (5) Visible emission (VE) notations. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.15 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Conditions D.2.4 and D.2.11 shall be submitted to the address(es) 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) Periods of excess emissions shall be reported in accordance with the requirements of 40 CFR 60.334(c).

SECTION D.3 FACILITY OPERATION CONDITIONS

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

- (k) One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT-6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.

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

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

D.3.1 General Provisions Relating to NSPS [326 IAC 12] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to Unit GT6 as described in this section except when otherwise specified in 40 CFR Part 60, Subpart GG (Standards of Performance for Stationary Gas Turbines).

D.3.2 New Source Performance Standards (NSPS) [326 IAC 12] [40 CFR 60, Subpart GG]

Pursuant to 40 CFR 60.330 Subpart GG (Standards of Performance for Stationary Gas Turbines) and 326 IAC 12 (New Source Performance Standards), the Permittee shall:

- (a) Limit Nitrogen Oxides (NO_x) emissions, as required by 40 CFR 60.332, to:

$$\text{STD} = (0.0075) * (14.4/Y) + F$$

Where: STD = Allowable NO_x emissions in percent by volume at fifteen percent (15%) oxygen and on a dry basis (ppm = percent by volume x 10⁴).

Y = Manufacturer's rated heat rate at manufacturer's rated load or, actual measured heat rate based on the lower heating value of fuel as measured at peak load in kilojoules per watt hour. Y shall not exceed 14.4 kilojoules per watt hour.

F = The fuel bound nitrogen allowance as defined in 40 CFR 60.332(a)(3).

- (b) Limit Sulfur dioxide (SO₂) emissions, as required by 40 CFR 60.333, to 0.015 percent by volume at fifteen percent (15%) oxygen on a dry basis, or use natural gas fuel with a sulfur content less than or equal to eight tenths percent (0.8%) by weight.

D.3.3 PSD Minor Limit [326 IAC 2-2] [Minor Permit Modification 097-14666-00033]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration Requirements) not applicable to Unit GT6 and pursuant to Operation Condition number 9 of the Minor Permit Modification 097-14666-00033 issued on November 9, 2001:

- (a) Nitrogen Oxides (NO_x) emissions are limited to less than forty (40) tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month such that 326 IAC 2-2 will not apply. Compliance with the Nitrogen Oxides (NO_x) emissions limitation shall be demonstrated by installing and operating a continuous emission monitor for NO_x emissions from Unit GT6 in accordance with 326 IAC 3-5.

Compliance Determination Requirements

D.3.4 Continuous Emissions Monitoring [326 IAC 3-5] [Minor Permit Modification 097-14666-00033]

Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) and Operation Condition number 9 of the Minor Permit Modification 097-14666-00033 issued on November 9, 2001, continuous monitoring systems for Unit GT6 shall be calibrated, maintained, and operated for measuring NO_x emissions which meets the performance specifications of 326 IAC 3-5-2 (Continuous Monitoring of Emissions).

D.3.5 Sulfur and Nitrogen Content [326 IAC 12] [40 CFR 60.334]

Pursuant to 40 CFR 60.334(b), the Permittee shall monitor the daily sulfur content and the nitrogen content of the fuel being fired in Unit GT6 in accordance with the EPA custom schedule approved on June 16, 2004.

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

D.3.6 Sulfur and Nitrogen Content [326 IAC 12] [40 CFR 60.334]

As stated in the U.S. EPA Region 5 approval letter dated June 16, 2004, the Permittee shall comply with the following custom monitoring schedule for Unit GT6 as approved by the U.S. EPA for Unit GT4 and Unit GT5 on October 6, 2000:

- (a) Monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbine.
- (b) Sulfur Monitoring:
 - (1) Analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternate method. The reference methods are ASTM D1072-80; ASTM D3031-81; ASTM 3246-81; and ASTM D4084-82 as referenced in 40 CFR 60.335(d).
 - (2) Effective the date of this custom schedule, sulfur monitoring shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60.333, then sulfur monitoring shall be conducted once per quarter for six quarters.
 - (3) If after the monitoring required in item (b)(2) above, or herein. The sulfur content of the fuel shows little variability and, calculated as sulfur dioxide, represents consistent compliance with the sulfur dioxide emission limits specified under 40 CFR 60.333, sample analysis shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.
 - (4) Should any sulfur analysis as required in items (b)(2) or (b)(3) above indicate noncompliance with 40 CFR 60.333, the Permittee shall notify IDEM, OAQ and USEPA of such excess emissions and the custom schedule shall be re-examined. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.
 - (5) If there is a change in fuel supply, the Permittee must notify IDEM, OAQ and USEPA of such change for re-examination of this custom schedule. A substantial change in fuel quality shall be considered as a change in fuel supply. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.

- (6) Records of sample analysis and fuel supply pertinent to this custom schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.

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

D.3.7 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.2, D.3.3, D.3.4, D.3.5 and D.3.6, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Conditions D.3.2 and D.3.3.
 - (1) Data and results from the most recent stack test;
 - (2) All fuel nitrogen content and sulfur content monitoring data;
 - (3) All NO_x continuous emission monitoring data;
 - (4) Calculated actual fuel usage since last compliance determination period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.8 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.3.3(a) shall be submitted to the address(es) 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) Periods of excess emissions shall be reported in accordance with the requirements of 40 CFR 60.334(c).

SECTION D.4 FACILITY OPERATION CONDITIONS

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

- (l) One (1) General Motors Reciprocating Internal Combustion Standby/Emergency Generator identified as Unit ST14. As an emergency generator, Unit ST14 will be operated less than 500 hours per year. Unit ST14 is distillate oil fired with a design heat input of 27.6 million Btu per hour. Equipped with no add on air pollution control equipment. Exhausting at Stack/Vent ID ST14-1. Installation date for Unit ST14 is 1967.

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

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

D.4.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Unit ST14 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.
- (b) Absent a direct measurement of emissions, compliance is assumed for ST14 provided visible emissions from ST14-1 are normal.

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

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

- (a) Visible emission notations of Stack/Vent ID ST14-1 exhaust shall be performed once per day during normal daylight operations when operating and exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shutdown time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed from Unit ST14 stack exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.3 Record Keeping Requirements

- (a) The Permittee shall maintain records of annual operating hours per year for Unit ST14.
- (b) To document compliance with Condition D.4.2, the Permittee shall maintain records of the visible emission notations of Stack/Vent ID ST14-1 once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5

FACILITY CONDITIONS

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

- (m) Coal material handling and storage system with a maximum annual capacity of 7.5 million tons per year and described as follows:
- (1) One (1) crusher house, consisting of the following equipment:
 - (i) Two (2) crushers constructed in 1958;
 - (ii) One (1) self cleaning static grizzly constructed in 1996; and
 - (iii) One (1) self cleaning static grizzly constructed in 2006.
 - (2) One (1) covered conveyor system, constructed in 1931, consisting of the following equipment:
 - (i) No. 2 conveyor which transfers coal from the railcar receiving area to the crusher house;
 - (ii) No. 3 conveyor transfers coal from the crusher to No. 4 conveyor;
 - (iii) No. 4 conveyor transfers coal from the crusher to the cross-over conveyor;
 - (iv) Cross-over conveyor transfers coal from No. 4 conveyor to No. 5 conveyor or to conveyor 705 (which then transfers to conveyor 703 and to Unit 7); and
 - (v) No. 5 conveyor transfers coal from the cross-over conveyor to Unit 5 or Unit 6.
 - (3) One (1) covered conveyor system, constructed in 1958 and consisting of the following equipment:
 - (i) Conveyors identified as 600A, 600B, 601, 602, 605, and 606. 600A and 600B conveyor transfers coal from the railcar receiving area to 601 and 602 conveyors which transfer coal to the crusher house; and
 - (ii) 605 conveyor transfers coal to 606 or 703 conveyors. 605 and 606 conveyors are located inside the building and transfer coal to five (5) conveyors which transfer coal to Unit 5's and Unit 6's coal bunkers.
 - (4) One (1) covered conveyor system which became commercial in 1973 and consists of the following equipment:
 - (i) Conveyors identified as 701 and 702 transfer coal to either the crusher house or the low sulfur coal pile; and
 - (ii) Conveyors identified as 703 and 704 are the conveyors which transfer coal from 601, 602, and 605 conveyors to Unit 7's coal bunkers.
 - (5) One (1) covered conveyor system, constructed in 2006 and consisting of the following equipment:
 - (i) Conveyors identified as 801 and 802 transfer coal to the outside high sulfur coal storage pile.
 - (6) One (1) covered conveyor system, constructed in 2006 and consists of the following equipment subject to 40 CFR Part 60, Subpart Y:
 - (i) Conveyors identified as 803 and 804 transfer coal from the high sulfur storage pile to the crusher house.

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

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

D.5.1 General Provisions Relating to NSPS [40 CFR Part 60, Subpart A][326 IAC 12-1]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the two (2) covered coal conveyors, identified as 803 and 804, as described in this section except when otherwise specified in 40 CFR Part 60, Subpart Y.

- (b) Pursuant to 40 CFR 60.4 and 40 CFR 60.7, the Permittee shall submit all required notifications and reports to:

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

And

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

D.5.2 Standards of Performance for Coal Preparation Plants [40 CFR 60.250, Subpart Y]
[326 IAC 12]

Pursuant to 40 CFR 60.250, Subpart Y (Standards of Performance for Coal Preparation Plants), incorporated by reference in 326 IAC 12, the two (2) covered coal conveyors, identified as 803 and 804, shall each comply with the following:

§ 60.250 Applicability and designation of affected facility.

- (a) The provisions of this subpart are applicable to any of the following affected facilities in coal preparation plants which process more than 181 Mg (200 tons) per day: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, and coal transfer and loading systems.
- (b) Any facility under paragraph (a) of this section that commences construction or modification after October 24, 1974, is subject to the requirements of this subpart.

[42 FR 37938, July 25, 1977; 42 FR 44812, Sept. 7, 1977, as amended at 65 FR 61757, Oct. 17, 2000]

§ 60.251 Definitions.

As used in this subpart, all terms not defined herein have the meaning given them in the Act and in subpart A of this part.

- (a) Coal preparation plant means any facility (excluding underground mining operations) which prepares coal by one or more of the following processes: breaking, crushing, screening, wet or dry cleaning, and thermal drying.
- (b) Bituminous coal means solid fossil fuel classified as bituminous coal by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).
- (c) Coal means all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).
- (d) Cyclonic flow means a spiraling movement of exhaust gases within a duct or stack.
- (e) Thermal dryer means any facility in which the moisture content of bituminous coal is reduced by contact with a heated gas stream which is exhausted to the atmosphere.
- (f) Pneumatic coal-cleaning equipment means any facility which classifies bituminous coal by size or separates bituminous coal from refuse by application of air stream(s).

- (g) Coal processing and conveying equipment means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, breakers, crushers, screens, and conveyor belts.
- (h) Coal storage system means any facility used to store coal except for open storage piles.
- (i) Transfer and loading system means any facility used to transfer and load coal for shipment.

[41 FR 2234, Jan. 15, 1976, as amended at 48 FR 3738, Jan. 27, 1983; 65 FR 61757, Oct. 17, 2000]

§ 60.252 Standards for particulate matter.

- (c) On and after the date on which the performance test required to be conducted by §60.8 is completed, an owner or operator subject to the provisions of this subpart shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

[41 FR 2234, Jan. 15, 1976, as amended at 65 FR 61757, Oct. 17, 2000]

§ 60.254 Test methods and procedures.

- (b) The owner or operator shall determine compliance with the particular matter standards in § 60.252 as follows:
 - (2) Method 9 and the procedures in §60.11 shall be used to determine opacity.

[54 FR 6671, Feb. 14, 1989]

SECTION D.6

FACILITY OPERATION CONDITIONS

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

Insignificant Activities

- (a) Fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight. [326 IAC 6.5-1-2(a)]
- (c) Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2(a)]
- (f) Two (2) flyash silos identified as Unit 5/6 Flyash Silo and Unit 7 Flyash Silo for truck loading. Each silo is exhausted to a baghouse. [326 IAC 6.5-1-2(a)]
- (g) Bottom ash and flyash retention ponds. [326 IAC 6-4 and 326 IAC 6-5]
- (j) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (k) One (1) 81 horsepower diesel fired emergency generator identified as Emission Unit ID Generator # 1 associated with a communication transmitter tower located at 4190 S. Harding Street, Indianapolis, Indiana, 46217. [326 IAC 6.5-1-2(a)]

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

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

D.6.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Unit 5/6 Flyash Silo, Unit 7 Flyash Silo, fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour, gasoline generators, and Emission Unit ID Generator # 1 shall each not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2] [326 IAC 8-3-5(a)]

- (a) Pursuant to 326 IAC 8-3-2 (Organic Solvent Degreaser Operations: Cold Cleaner Operation), for cold cleaning operations existing as of January 1, 1980, located in Marion County and which have potential emissions of one hundred (100) tons per year or greater of VOC, the Permittee shall:
 - (1) Equip the cleaner with a cover;
 - (2) Equip the cleaner with a facility for draining cleaned parts;
 - (3) Close the degreaser cover whenever parts are not being handled in the cleaner;
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label summarizing the operation requirements;
 - (6) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.
- (b) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

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

SECTION D.7

FACILITY OPERATION CONDITIONS

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

- (n) Limestone transfer from trucks and loader vehicles to the conveyor system, identified as T-1, with a maximum capacity to transfer 230,000 tons of limestone per year and using no control. Approved for construction in 2006.
- (o) Five (5) covered limestone conveyors, identified as T-2, with a maximum capacity to convey 230,000 tons of limestone per year and using no control. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, T-2 is considered an affected facility.
- (p) Two (2) 630 ton capacity limestone storage silos, identified as L7-1 and L7-2, using bin vents LC7-1 and LC7-2 as control, and exhausting to stack/vent LSV7-1 and LSV7-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L7-1 and L7-2 are each considered an affected facility.
- (q) Two (2) weigh feeders which transfer limestone from the silos to the two (2) enclosed wet ball mills (grinding mills) for grinding limestone identified, as BM7-1 and BM7-2. The ball mill grinding mills are located in a covered building. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, BM7-1 and BM7-2 are each considered an affected facility.
- (r) Gypsum transfer, identified as T-3, with a maximum capacity to transfer 414,000 tons of gypsum per year and using no control. Approved for construction in 2006.
- (s) Six (6) covered gypsum conveyors, identified as T-4, with a maximum capacity to convey 414,000 tons of gypsum and using no control. Approved for construction in 2006.

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

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

D.7.1 Particulate Matter (PM) [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the two (2) limestone storage silos, identified as L7-1 and L7-2, shall each be limited to three hundredths (0.03) grain per dry standard cubic foot of exhaust air.
- (b) Absent a direct measurement of emissions, compliance is assumed for L7-1 and L7-2 provided visible emissions from LSV7-1 and LSV7-2 are normal.

D.7.2 PSD Minor Limit [326 IAC 2-2][326 IAC 2-1.1-5]

- (a) PM10 emissions from each limestone storage silo, identified as L7-1 and L7-2, shall not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour.
- (b) PM emissions from each limestone storage silo, identified as L7-1 and L7-2, shall not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour.

Compliance with these emission limits will ensure that the limited potential to emit from emission units L7-1 and L7-2, combined with the unrestricted potential to emit from emission units T-1, T-2, T-3, and T-4 is less than twenty-five (25) tons of PM per year and less than fifteen (15) tons of PM10 per year and, therefore, will render the requirements of 326 IAC 2-2 and 326 IAC 2-1.1-5 not applicable.

Compliance Determination Requirements

D.7.3 Particulate Control

- (a) In order to comply with Condition D.7.1 and D. 7.2, the bin vent filters identified as LC-1 and LC-2 for particulate control shall be in operation and control emissions from the limestone storage silos at all times that the limestone storage silos are loaded or unloaded.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.7.4 Visible Emissions Notations

- (a) Visible emission notations of the limestone storage silo stack/vent LSV7-1 and LSV7-2 exhausts shall be performed once per week during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the unenclosed transfer points for the five (5) covered limestone conveyors, identified as T-2 and of the unenclosed transfer points for six (6) covered gypsum conveyors, identified as T-4 shall be performed once per week 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, not counting startup or shut down time.
- (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 abnormal emissions are observed or if visible emissions are observed crossing the property, right of way, or easement on which the source is located, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.7.5 Parametric Monitoring

The Permittee shall record the pressure drop across LC7-1 and LC7-2, at least once per week. When for any one reading, the pressure drop is outside the normal range of 0.5 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, and shall be calibrated in accordance with the manufacturer's specifications. The specifications shall be available on site with the Preventive Maintenance Plan.

D.7.6 Broken or Failed Bag Detection

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

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

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

D.7.7 Record Keeping Requirements

- (a) To document compliance with Condition D.7.4, the Permittee shall maintain the following:
 - (1) Records of weekly visible emission notations of the limestone storage silo stack/vent LSV7-1 and LSV7-2 exhausts. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
 - (2) Records of weekly visible emission notations of the unenclosed transfer points for the five (5) covered limestone conveyors, identified as T-2, and of the transfer points for the six (6) covered gypsum conveyors, identified as T-4. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.7.5, the Permittee shall maintain:

Weekly records of the pressure drop across LC7-1 and LC7-2. The Permittee shall include in its weekly record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

D.7.8 General Provisions Relating to NSPS [40 CFR Part 60, Subpart A][326 IAC 12-1]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the five (5) covered limestone conveyors, identified as T-2, the two (2) limestone storage silos, identified as L7-1 and L7-2, and the two (2) enclosed wet ball mills (grinding mills), identified as BM7-1 and BM7-2, as described in this section except when otherwise specified in 40 CFR Part 60, Subpart OOO.
- (b) Pursuant to 40 CFR 60.4 and CFR 60.7, the Permittee shall submit all required notifications and reports to:

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

And

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

D.7.9 New Source Performance Standards for Nonmetallic Mineral Processing Plants
[40 CFR 60.670, Subpart OOO][326 IAC 12]

Pursuant to 40 CFR 60.670, Subpart OOO (New Source Performance Standards for Nonmetallic Mineral Processing Plants), the five (5) covered limestone conveyors, identified as T-2, the two (2) limestone storage silos, identified as L7-1 and L7-2, and the two (2) enclosed wet ball mills (grinding mills), identified as BM7-1 and BM7-2, shall each comply with 40 CFR §§ 60.670, 671, 672, 673, 675 and 676 as incorporated by reference in 326 IAC 12-1.

SECTION E

TITLE IV CONDITIONS

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.
- (g) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.
- (h) One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.

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

Acid Rain Program

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

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

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

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

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

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

ORIS Code: 990

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls, separated overfire air (SOFA), and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.
- (g) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.

- (h) One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT-6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.

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

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

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

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

- (a) The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall operate each source and unit in compliance with this CAIR permit.
- (b) The CAIR NO_x unit(s), CAIR SO₂ unit(s), and CAIR NO_x ozone season unit(s) subject to this CAIR permit are Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit GT4, Unit GT5, and Unit GT6.

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

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

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

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 326 IAC 24-1-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 326 IAC 24-1-11.
- (b) A CAIR NO_x unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.
- (c) A CAIR NO_x allowance shall not be deducted for compliance with the requirements under 326 IAC 24-1-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

- (d) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x allowance tracking system accounts in accordance with 326 IAC 24-1-9, 326 IAC 24-1-10, and 326 IAC 24-1-12.
- (e) A CAIR NO_x allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_x annual trading program. No provision of the CAIR NO_x annual trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-1-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR NO_x allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-1-8, 326 IAC 24-1-9, 326 IAC 24-1-10, or 326 IAC 24-1-12, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in this CAIR permit.

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

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions for the control period under 326 IAC 24-2-8(j) and 326 IAC 24-2-8(k) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 326 IAC 24-2-10.
- (b) A CAIR SO₂ unit shall be subject to the requirements under 326 IAC 24-2-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-2-4(c)(2), and for each control period thereafter.
- (c) A CAIR SO₂ allowance shall not be deducted for compliance with the requirements under 326 IAC 24-2-4(c)(1), for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (d) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ allowance tracking system accounts in accordance with 326 IAC 24-2-8, 326 IAC 24-2-9, and 326 IAC 24-2-11.
- (e) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ trading program. No provision of the CAIR SO₂ trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-2-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR SO₂ allowance does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 24-2-8, 326 IAC 24-2-9, or 326 IAC 24-2-11, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in this CAIR permit.

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

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x ozone season source and each CAIR NO_x ozone season unit at the source shall hold, in the source's compliance account, CAIR NO_x ozone season allowances available for compliance deductions for the control period under 326 IAC 24-3-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x ozone season units at the source, as determined in accordance with 326 IAC 24-3-11.

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

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

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

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

Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 326 IAC 24-2-4, the Clean Air Act (CAA), and applicable state law.
- (c) The owners and operators of a CAIR NO_x ozone season source and each CAIR NO_x ozone season unit that emits nitrogen oxides during any control period in excess of the CAIR NO_x ozone season emissions limitation shall do the following:

- (1) Surrender the CAIR NO_x ozone season allowances required for deduction under 326 IAC 24-3-9(j)(4).
- (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

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

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

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

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

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

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

- (a) The CAIR designated representative of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source shall submit the reports required under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program, including those under 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.

- (b) Pursuant to 326 IAC 24-1-4(e), 326 IAC 24-2-4(e), and 326 IAC 24-3-4(e) and 326 IAC 24-1-6(e)(1), 326 IAC 24-2-6(e)(1), and 326 IAC 24-3-6(e)(1), each submission under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
- (c) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to IDEM, OAQ, the information shall be submitted to:
- Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251
- (d) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to U.S. EPA, the information shall be submitted to:
- U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204N
Washington, DC 20460

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

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

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

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

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

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

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

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

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

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

**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
CERTIFICATION**

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
Part 70 Permit No.: T097-6566-00033

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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
Part 70 Permit No.: T097-6566-00033

This form consists of 2 pages

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This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ) within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance and Enforcement Branch); and
- 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 AND ENFORCEMENT BRANCH**

**Part 70 Quarterly Report
 (Submit Report Quarterly)**

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
 Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
 4190 South Harding Street, Indianapolis, IN 46217
 Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
 Part 70 Permit No.: T097-6566-00033
 Facility: Unit GT4 and Unit GT5
 Parameter: Combined Natural Gas and Natural Gas Equivalent usage
 Limit: 6300 MMCF per twelve (12) consecutive month period with compliance determined
 at the end of each month. 1.0 gallon of distillate fuel usage is equivalent to 293 cubic
 feet of Natural Gas usage.

Quarter: _____ Year: _____

	Column 1	Column 2	Column 3
	Total natural gas usage this month (MMCF)	Total natural gas equivalents for distillate fuel oil usage this month (gal x 293 = MMCF)	Twelve consecutive month period combined natural gas and equivalents usage (MMCF)
Month			
Month			
Month			

- No deviation occurred in this quarter.
 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

<input type="checkbox"/> Natural Gas Only <input type="checkbox"/> Alternate Fuel burned From: _____ To: _____
--

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 AND ENFORCEMENT BRANCH**

**Part 70 Report
(submit report quarterly)**

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
Part 70 Permit No.: T097-6566-00033
Facility: Unit GT6
Parameter: NO_x emissions
Limit: Less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Quarter: _____ Year: _____

	Column 1	Column 2	Column 1 + Column 2
	NO _x emissions this month (tons)	NO _x emissions previous eleven months (tons)	Twelve consecutive month period NO _x emissions (tons)
Month			
Month			
Month			

No deviation occurred in this month.

Deviation/s occurred in this month.

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 AND ENFORCEMENT BRANCH**

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

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
Part 70 Permit No.: T097-6566-00033

Months: _____ to _____ Year: _____

Page 1 of 2

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

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

**Indianapolis Power and Light
Harding Street Generating Station
3700 South Harding Street and
4190 South Harding Street
Indianapolis, Indiana, 46217**

ORIS: 990

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

Operation Permit No.: AR 097-28123-00033	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: August 28, 2009 Expiration Date: August 28, 2014

Title IV Operating Conditions

Title IV Source Description:

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.
- (g) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.

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

conditions.)

1. Statutory and Regulatory Authorities

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

2. Standard Permit Requirements [326 IAC 21]

- (a) The designated representative has submitted a complete acid rain permit application in accordance with 40 CFR 72.30.
- (b) The Permittee shall operate Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 in compliance with this permit.

3. Monitoring Requirements [326 IAC 21]

- (a) The Permittee and, to the extent applicable, the designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall comply with the monitoring requirements as provided in 40 CFR 75 and 76.
- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 76 shall be used to determine compliance by Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (c) The requirements of 40 CFR 75 and 76 shall not affect the responsibility of the Permittee to monitor emissions of other pollutants or other emissions characteristics at Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 under other applicable requirements of the Clean Air Act and other provisions of the operating permit for the source.

4. Sulfur Dioxide Requirements [326 IAC 21]

- (a) The Permittee shall:
 - (1) Hold allowances, as of the allowance transfer deadline (as defined in 40 CFR 72.2), in the compliance subaccount of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6, after deductions under 40 CFR 73.34(c), not less than the total annual emissions of sulfur dioxide for the previous calendar year from Units 3, 4, 5, 6, 7, GT4, GT5, and GT6; and,
 - (2) Comply with the applicable acid rain emissions limitations for sulfur dioxide.
- (b) Each ton of sulfur dioxide emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Clean Air Act.
- (c) Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall be subject to the requirements under paragraph 4(a) of the sulfur dioxide requirements as follows:
 - (1) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or,
 - (2) Starting on the latter of January 1, 2000, or the deadline for monitor certification under 40 CFR 75, an affected unit under 40 CFR 72.6(a)(3).
- (d) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

- (e) An allowance shall not be deducted in order to comply with the requirements under paragraph 4(a) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (f) An allowance allocated by the U.S. EPA under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, the acid rain portion of an operating permit, or the written exemption under 40 CFR 72.7 and 72.8 and 326 IAC 21, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (g) An allowance allocated by U.S. EPA under the Acid Rain Program does not constitute a property right.
- (h) No permit revision may be required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program, provided that the increases do not require a permit revision under any other applicable requirement.
[326 IAC 2-7-5(4)(A)]
- (i) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to noncompliance with any applicable requirement other than the requirements of the Acid Rain Program.
[326 IAC 2-7-5(4)(B)]

5. Nitrogen Oxides Requirements [326 IAC 21]

- (a) The Permittee shall comply with the applicable acid rain emissions limitation of nitrogen oxides (NO_x) for Units 5, 6, 7.
- (b) NO_x Emission Averaging Plan for Unit 5:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 5, effective from calendar year 2010 through 2014. Under the plan the NO_x emissions from Unit 5 shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.44 lb/MMBtu. In addition, Unit 5 shall have an annual heat input less than 6,797,000 MMBtu.
 - (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 5 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (c) NO_x Emission Averaging Plan for Unit 6:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 6, effective from calendar year 2010 through 2014. Under the plan the NO_x emissions from Unit 6 shall not exceed the annual average ACEL of 0.45 lb/MMBtu. In addition, Unit 6 shall have an annual heat input less than 5,422,000 MMBtu.

- (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Unit 6 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (d) NOx Emission Averaging Plan for Unit 7:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NOx emission averaging plan for Unit 7, effective from calendar year 2010 through 2014. Under the plan the NOx emissions from Unit 7 shall not exceed the annual average ACEL of 0.40 lb/MMBtu. In addition, Unit 7 shall have an annual heat input less than 25,412,000 MMBtu.
 - (2) Under the plan, the actual Btu-weighted annual average NOx emission rate for Units 5, 6, and 7 shall be less than or equal to the Btu-weighted annual average NOx emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A)) is met for a year under the plan, then Units 5, 6, and 7 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (e) In addition to the described NOx compliance plan, Units 5, 6, and 7 shall comply with all other applicable requirements of 40 CFR 76, including the duty to reapply for a NOx compliance plan and requirements covering excess emissions.
- (f) Pursuant to 40 CFR 76, Phase II Nitrogen Oxides Emission Reduction Program, the oil-fired boilers, Unit 3 and Unit 4, and the distillate oil-fired and/or natural gas-fired turbines GT4 and GT5, and the natural gas-fired turbine, GT6, are not subject to nitrogen oxide limitations.

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

- (a) If Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 has excess emissions of sulfur dioxide in any calendar year, the designated representative shall submit a proposed offset plan to U.S. EPA and IDEM, OAQ as required under 40 CFR 77 and 326 IAC 21.
- (b) The designated representative shall submit required information to:

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

and

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

- (c) If Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 has excess emissions, as defined in 40 CFR 72.2, in any calendar year, the Permittee shall:
- (1) Pay to U.S. EPA without demand the penalty required, and pay to U.S. EPA upon demand the interest on that penalty, as required by 40 CFR 77 and 326 IAC 21; and,
 - (2) Comply with the terms of an approved sulfur dioxide offset plan, as required by 40 CFR 77 and 326 IAC 21.

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

- (a) Unless otherwise provided, the Permittee shall keep on site each of the following documents for a period of 5 years, as required by 40 CFR 72.9(f), from the date the document is created. This period may be extended for cause, at any time prior to the end of the 5 years, in writing by U.S. EPA or IDEM, OAQ:
- (1) The certificate of representation for the designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (2) All emissions monitoring information collected in accordance with 40 CFR 75 shall be retained on site for 3 years;
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (4) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (b) The designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72.90 subpart I, 40 CFR 75, and 326 IAC 21. The required information is to be submitted to the appropriate authority(ies) as specified in 40 CFR 72.90 subpart I and 40 CFR 75.

8. Submissions [326 IAC 21]

- (a) The designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall submit a certificate of representation, and any superseding certificate of representation, to U.S. EPA and IDEM, OAQ in accordance with 40 CFR 72 and 326 IAC 21.
- (b) The designated representative shall submit required information to:

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

and

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

- (c) Each such submission under the Acid Rain Program shall be submitted, signed and certified by the designated representative for all sources on behalf of which the submission is made.
- (d) In each submission under the Acid Rain Program, the designated representative shall certify, by his or her signature, the following statements which shall be included verbatim in the submission:
 - (1) "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."; and,
 - (2) "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
- (e) The designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall notify the Permittee:
 - (1) By the date of submission, of any Acid Rain Program submissions by the designated representative;
 - (2) Within 10 business days of receipt of any written determination by U.S. EPA or IDEM, OAQ; and,
 - (3) Provided that the submission or determination covers Units 3, 4, 5, 6, 7, GT4, GT5, and GT6.
- (f) The designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall provide the Permittee a copy of any submission or determination under paragraph 8(e), unless the Permittee expressly waives the right to receive a copy.

9. Severability [326 IAC 21]

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

10. Liability [326 IAC 21]

- (a) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, an acid rain permit, an acid rain portion of an operation permit, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement by U.S. EPA pursuant to Section 113(c) of the Clean Air Act and shall be subject to enforcement by IDEM pursuant to 326 IAC 21 and IC 13-30-3.
- (b) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Clean Air Act, 18 U.S.C. 1001 and IDEM pursuant to 326 IAC 21 and IC 13-30-6-2.
- (c) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (d) Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall meet the requirements of the Acid Rain Program.
- (e) Any provision of the Acid Rain Program that applies to Units 3, 4, 5, 6, 7, GT4, GT5, and GT6, including a provision applicable to the designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 shall also apply to the Permittee.
- (f) Any provision of the Acid Rain Program that applies to Units 3, 4, 5, 6, 7, GT4, GT5, and GT6, including a provision applicable to the designated representative, shall also apply to the Permittee. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR 75, including 40 CFR 75.16, 75.17, and 75.18, the Permittee and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (g) Each violation of a provision of 40 CFR parts 72, 73, 75, 76, 77, and 78 by Units 3, 4, 5, 6, 7, GT4, GT5, and GT6, or by the Permittee or designated representative, shall be a separate violation of the Clean Air Act.

11. Effect on Other Authorities [326 IAC 21]

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

- (a) Except as expressly provided in Title IV of the Clean Air Act (42 USC 7651 to 7651(o)), exempting or excluding the Permittee and, to the extent applicable, the designated representative of Units 3, 4, 5, 6, 7, GT4, GT5, and GT6 from compliance with any other provision of the Clean Air Act, including the provisions of Title I of the Clean Air Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

- (b) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Clean Air Act;
- (c) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (d) Modifying the Federal Power Act (16 USC 791(a) et seq.) or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (e) Interfering with or impairing any program for competitive bidding for power supply in a state in which such a program is established.



Indianapolis Power & Light Company

Fugitive Particulate Matter Emission Control Plan ("Fugitive Dust Plan") for the Harding Street Generating Station



**Written by IPL in April 2003
Revised by IPL in February 2004
Revised by KERAMIDA Environmental, Inc., July 2006
Revised by KERAMIDA Environmental, Inc., March 12, 2007
Revised by KERAMIDA Environmental, Inc., March 20, 2007**

KERAMIDA PROJECT NO. 10613

I. CONTROL PLAN

1. Name and Address of the Source:

Indianapolis Power & Light Company
Harding Street Generating Station
3700 South Harding Street
Indianapolis Indiana 46217

2. Name and Address of the Owner or Operator Responsible for the Execution of the Control Plan:

Indianapolis Power & Light Company
Harding Street Generating Station
3700 South Harding Street
Indianapolis Indiana 46217

3. Identification of All Processes, Operations, and Areas Which Have the Potential to Emit Fugitive Particulate Matter in Accordance with 326 IAC 6-5-4:

- (a) Vehicular traffic on paved, unpaved roads, and parking lots
- (b) Coal unloading and storage
- (c) Coal crushing, and transfer operations
- (d) Coal fly ash unloading from silos
- (e) Coal ash handling and transfer
- (f) Gypsum handling and transfer
- (g) Limestone handling and transfer

4. A map of the source showing aggregate pile areas, access areas around the aggregate pile, unpaved roads, paved roads, parking lots and location of conveyor and transfer points, etc.

Enclosed.

5. The Number and Mix of Vehicular Activity Occurring on Paved Roads, Unpaved Roads, and Parking Lots:

Vehicle Type	Vehicle Activities	Approximate Number of Vehicles
Employee Vehicles	Primarily personal use; 15 mph speed limit	Variable, but few
Coal Trucks	Deliver coal in unusual circumstances (normally rail delivery)	Infrequent use of coal trucks; numbers depend on circumstances
IPL-owned Vehicles	On site and off site use – light trucks and mobile equipment	Variable, but insignificant
Triaxle Trucks	Intermittent use.	Variable, infrequent use
Gypsum and Limestone Trucks	Limestone delivery and gypsum hauling	Variable

6. Type and Quantity of Material Handled:

Material Handled	Estimated Quantity (tons/year)
Coal	2.5 million
Coal Ash	0.25 million
Limestone	230,000
Gypsum	414,000

7. Equipment Used to Maintain Aggregate Piles:

Coal Pile:

- Two Locomotives
- Two Coal Scrapers
- Two Front End Loaders
- Dozer

8. A Description of the Measures to be Implemented to Control Fugitive Particulate Matter Emissions Resulting From Emission Points Identified in Subdivision (3):

- (a) Vehicular traffic on paved, unpaved roads, and parking lots:
 - Water is sprayed on paved, unpaved roads and parking lots as necessary.
 - Speed Limit is 15 MPH on the plant paved roads and parking lots.
- (b) Coal unloading and storage:
 - Coal unloading operations from coal train cars are enclosed on the top and sides.
 - Coal pile is sprayed with water as necessary to control fugitive particulate emissions. Standing water in the coal pile minimizes fugitive dust concerns from this area.
 - Foam dust suppressant is sprayed on coal as necessary to control fugitive particulate emissions.
- (c) Coal crushing, and transfer operations:
 - Coal crusher house is enclosed. Outside coal conveyers are enclosed on the top and sides.
 - Foam dust suppression system sprays water and dust suppressant chemical at various transfer points as necessary.
- (d) Coal flyash unloading from silos:
 - Coal flyash is transferred from the storage silos into enclosed tanker trucks. The discharge piping from the silo is dropped into the tanker truck compartments and the flow rate is controlled to minimize fugitive particulate emissions.
- (e) Coal ash handling and transfer:
 - Coal ash is transferred from hoppers by water to the ash ponds.
- (f) Gypsum handling and transfer:
 - Gypsum poses a minimal risk of blowing.
 - Gypsum conveyor system is enclosed on the top and sides.
- (g) Limestone handling and transfer:
 - The limestone rock has little potential for fugitive dust.

9. A Specification of the Dust Suppressant Material, Such as Oil or Chemical Including the Estimated Frequency of Application Rates and Concentrations

A Foam Dust Suppressant System for the coal handling and unloading area is in use.

Typical application points are:

At the discharge of conveyors 600 A and 600 B onto conveyor 601

At the discharge of conveyors 601 or 702 onto conveyor 602

At the bottom of conveyor 702 as it picks up coal from the coal pile

At the discharge of conveyor 602 into the crusher house

At the bottom of conveyor 605 as it picks up coal from the crusher house

The system is operated manually and used as necessary.

10. A Specification of the Particulate Matter Collection Equipment Used as a Fugitive Particulate Matter Emission Control Measure:

None

11. Schedule of Compliance with the Provisions of the Control Plan:

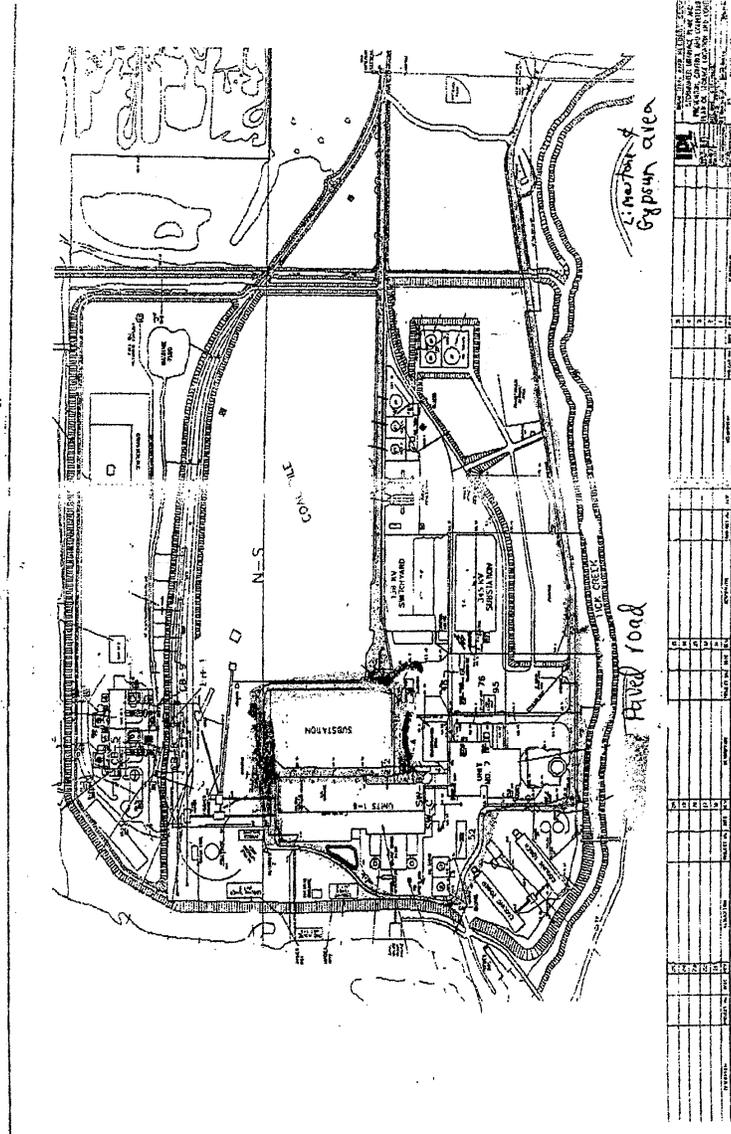
None issued.

12. Other Relevant Data That May Be Requested by the Commissioner, to Evaluate the Effectiveness of the Control Plan:

None

II. RECORDKEEPING

Records are kept and maintained which document control measures and activities implemented in accordance with this control plan. The records are available upon the request of the commissioner, and are kept on file for at least three years at the Harding Street Generating Station. The recordkeeping requirement is specified by Indiana Regulation 326 IAC 6-5-5b.



Indiana Department of Environmental Management Office of Air Quality

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

Source Description and Location

Source Name:	Indianapolis Power & Light Company - Harding Street Generating Station
Source Location:	3700 South Harding Street, Indianapolis, Indiana 46217 4190 South Harding Street, Indianapolis, Indiana 46217
County:	Marion County
SIC Code:	4911
Operation Permit No.:	T097-6566-00033
Operation Permit Issuance Date:	July 3, 2006
Significant Permit Modification No.:	097-26974-00033
Permit Reviewer:	David J. Matousek

Public Notice Information

On May 9, 2009, the Office of Air Quality (OAQ) had a notice published in the Indianapolis Star News in Indianapolis, Indiana, stating that Indianapolis Power & Light Company - Harding Street Generating Station had applied for a significant modification to their Part 70 Operating Permit issued on July 3, 2006. Indianapolis Power & Light Company - Harding Street Generating Station has applied to incorporate alternative opacity monitoring requirements for one (1) Combustion Engineering Boiler number 70, identified as Unit #7, in accordance with Commissioner's Order #2008-02, approved on October 31, 2008. Indianapolis Power & Light Company - Harding Street Generating Station also applied to incorporate the applicable requirements of the Clean Air Interstate Rule (CAIR) into the Part 70 Operating Permit.

The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

IP&L Comments and IDEM's Responses

On June 9, 2009, OAQ received comments from Angelique Oliger on behalf of Indianapolis Power & Light Company. The summary of the comments and IDEM, OAQ responses, including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

Company Comment 1:

Please revise the PM CEMs averaging time in Condition D.1.14 from a twenty-four (24) hour daily average to a 30-day average consistent with Cinergy Remedy Order, Case 1:99-cv-1693-LJM-JMS. Although EPA had previously recommended a 24-hour daily average for PM CEMS, PM CEMS have a high "error band," meaning they are more susceptible to erroneous reading than other forms of testing and a compliance measurement tool on a daily basis is inappropriate given the evidence that the device has a high error band. Based on this information, the Court has concluded that a 30-day averaging time is appropriate for compliance demonstration using PM CEMS.

IDEM Response 1:

Condition D.1.14(a) has been revised to correct a grammatical error and to remove the reference to the 30-day rolling average and specific guidance to calculate the 24-hour daily (block) average. If the PM CEMS is installed, certified and operated in accordance with 40 CFR 60, it is capable of providing acceptable twenty-four hour average emissions data to determine continuous compliance with the applicable particulate emission limitation. Since acceptable hourly data is available, IDEM will not allow a thirty day rolling average to be used in Condition D.1.14(a). Finally, the method used to determine the 24-hour block average is detailed in the text of EPA Reference Method 19 and the reference is not required in Condition D.1.14(a).

IDEM is revising the previous appeal settlement between the IDEM and IP&L. The appeal settlement has its own requirements; whereas, IDEM has the permit requirement that the permit reflect the technically correct conditions in the permit. IDEM has an obligation to follow USEPA guidance; therefore, it is revising these permit conditions. Upon further review, IDEM is revising Condition D.1.14(b). The intent of this condition was to require the Permittee to show continuous compliance with the emission limitations. The condition, as written, implies that compliance 75% of the time would be acceptable. IDEM expects a Permittee to show continuous compliance with emission limitations. IDEM has also made revisions to address extended periods of PM CEMS downtime. The applicant will be required to perform additional compliance monitoring of the scrubbed stack during these periods. Whenever Unit 7 exhausts to the bypass stack, T-R set parametric monitoring readings will be required once per day in accordance with Condition D.1.10. When Unit 7 exhausts to the scrubbed stack, the Permittee shall be required to monitor the pH of the scrubbed liquid and the number of recycle pumps in operation once per day. The use of the bypass stack is not necessarily a PM CEM outage and adequate parametric monitoring requirements already exist in the draft permit.

Finally, Condition C.12 – Maintenance of Continuous Emission Monitoring Equipment has been deleted from the draft permit. All requirements of Condition C.12 have been incorporated into Conditions D.1.13 and D.1.14. By combining the conditions, IDEM avoids repeating applicable requirements and consolidates requirements for all CEMS in one section of the permit. In addition, Condition D.1.13 (c) has been condensed into a single condition that simply references 40 CFR 75, Subpart D. Also, if the SO₂ CEMS is offline for less than 24 hours, IDEM does not normally require a backup and the requirement has been removed. All remaining Section C conditions have been renumbered. Finally, Condition D.1.15(a)(7) has been revised to clarify the record keeping requirements for ESP and FGD parametric monitoring readings.

The revisions detailed above differ from the agreed settlement signed on October 20, 2008. IDEM and Indianapolis Power & Light – Harding Street Generating Station agree that deviations from the agreed settlement are necessary due to changes in permitting requirements in the period between signing the agreed settlement and the issuance of this significant permit modification.

Revisions to the public notice documents as a result of these changes are shown below:

~~C.12 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)]~~

~~(a) Maintenance of SO₂ and NO_x CEMS:~~

- ~~(1) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.~~
- ~~(2) All continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other performance specification, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.~~
- ~~(3) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.~~

~~(b) Maintenance of Particulate Matter (PM) CEMS~~

- ~~(1) The Permittee shall install, certify, maintain, and operate a CEMS measuring particulate matter emissions discharged from Unit 7 scrubbed stack.~~
- ~~(2) The PM continuous emission monitoring systems shall meet applicable requirements of 40 CFR 60, Appendix B, Performance Specification #11.~~
- ~~(3) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.~~

D.1.13 **NO_x and SO₂ Continuous Emission Monitoring Systems Downtime** [326 IAC 2-7-6]
[326 IAC 2-7-5(3)]

(a) The Permittee shall install, certify, calibrate, maintain and operate continuous emission monitoring systems (CEMS) and related equipment measuring NO_x and SO₂ emissions from Unit 5, Unit 6 and Unit 7.

- (1) These continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other relevant performance specification, and certification requirements pursuant to 326 IAC 3-5-3.**
- (2) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.**

(ab) Whenever the SO₂ continuous emission monitoring systems (CEMS) on Units 5 or 6 is malfunctioning or down for repairs or adjustments and a backup CEMS is not brought on-line for more than 24 hours, the following shall be used to provide information related to SO₂ emissions:

- (A1) Conduct fuel sampling as specified in 326 IAC 3-7-2(b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative of either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emission monitoring;**

or

- (B2) Comply with the relevant requirements of 40 CFR Part 75 Subpart D - Missing Data Substitution Procedures.**

~~(b) Whenever the SO₂ continuous emissions monitoring system (CEMS) on Unit 7 is malfunctioning or down for repairs or adjustment and a backup CEMS is not brought on-line, the following shall be used to provide information related to SO₂ emissions:~~

- ~~(1) If the CEMS is down for less than twenty-four (24) hours and a back-up CEMS is not brought on-line, the Permittee shall substitute an average of the quality assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.~~

~~(2) Whenever the SO₂ continuous emission monitoring system (CEMS) is malfunctioning or down for repairs or adjustment for twenty-four (24) hours or more, and a back-up CEMS cannot be brought on-line, the Permittee shall comply with the requirements of 40 CFR 75 Subpart D.~~

- (b) **Whenever the SO₂ continuous emission monitoring system (CEMS) on Unit 7 is malfunctioning or down for repairs or adjustment and the backup CEMS is not brought on-line for more than 24 hours, the Permittee shall comply with the requirements of 40 CFR 75, Subpart D.**

D.1.14 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 2-7-5(3)(A)]

- (a) The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 7 scrubbed stack to the atmosphere and record the output of the system as specified in paragraphs (a)(1) through (a)(52).

(1) ~~Each~~**The PM CEMS** shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11.

(2) Compliance with the applicable particulate emission limit shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data. ~~The 24-hour block arithmetic average emission concentration shall be calculated using EPA Reference Method 19 of Appendix A, section 12.4.1.~~

~~(3) At a minimum, valid CEMS operating hourly averages shall be obtained for 75 percent of all operating hours on a 30-day rolling average basis.~~

~~(i) At least two valid data points per hour shall be used to calculate each 1-hour arithmetic average.~~

~~(4) The 1-hour arithmetic averages required shall be expressed in lb/MMBtu and shall be used to calculate the boiler operating 24-hour daily arithmetic average emission concentrations. The 24-hour arithmetic averages shall be calculated using the valid operating hourly data points.~~

~~(5) All valid operating hourly CEMS data shall be used in calculating daily average emission concentrations.~~

- (b) ~~When PM emissions data are not obtained because of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained by using EPA Reference Method 19 of appendix A to provide, as necessary, valid emissions data for a minimum 75 percent of all operating hours per 30-day rolling average. Whenever Unit 7 exhausts to the scrubbed stack and this particulate (PM) continuous emission monitoring system (CEMS) is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:~~

(1) **The ability of the FGD to control particulate matter emissions shall be monitored once per day when Unit 7 is in operation by measuring and recording the following:**

(a) **Number of recycle pumps in service; and**

(b) **Absorber pH.**

D.1.15 Record Keeping Requirements

- (a) To document compliance with Section C - Opacity and Conditions D.1.1, D.1.3, D.1.4, D.1.5, D.1.10, D.1.12 and D.1.14, the Permittee shall maintain records in accordance with (1) through (7) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C – Opacity and Conditions D.1.1, D.1.3 and D.1.4:
- ...
- (6) The results of all Method 9 visible emission readings taken during any periods of COM downtime; ~~and~~
- (7) ~~All ESP parametric monitoring readings; and~~ **To document compliance with Condition D.1.10, the Permittee shall maintain a daily record of the primary and secondary voltages and the current readings of the transformer-rectifier sets of the electrostatic precipitators, identified as Control Equipment ID CE 50 and Control Equipment ID CE 60, controlling emissions from Unit 5 and Unit 6, respectively. The Permittee shall include in its daily record when the primary and secondary voltage and current readings are not taken and the reason for the lack of primary and secondary voltage and current readings (e.g. the process did not operate that day).**
- (8) **To document compliance with D.1.14, the Permittee shall maintain a record of the number of recycle pumps in service and the absorber pH associated with the FGD when Unit 7 exhausts to the scrubbed stack and PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more and a backup CEMS is not brought on-line. On days when Unit 7 exhausts to the scrubbed stack and PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more and a backup CEMS is not brought on-line, the Permittee shall include in its record when readings are not taken and the reason for the lack of readings (e.g. the boiler did not operate that day).**

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ADDITIONAL CHANGES

Upon further review, IDEM, OAQ has decided to make additional changes to the permit. The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes and will not be updated but the Permit will have the updated changes. IDEM proposes the following change:

IDEM Change #1:

Condition C.11(a) contains a typographical error. This condition incorrectly requires the Permittee to install, calibrate, maintain and operate a COM on Unit 3 and Unit 4. The condition intended to require a COM on Unit 5 and Unit 6. Revisions proposed to Condition C.11(a) are shown below:

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 Unit 7 Bypass stack, Unit ~~35~~ and Unit **46**. For a boiler, the COM shall be in operation in accordance with 326 IAC 3-5 and 40 CFR Part 60 at all times that the forced draft fan is in operation.

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IDEM Change #2:

IDEM has updated the cover sheet of the permit to reflect the issuance of Acid Rain Second Renewal Number AR 097-28123-00033 on August 31, 2009. In addition, the Acid Rain permit attached to the permit has been replaced with the updated Acid Rain Permit.

IDEM Change #3:

At the request of the applicant, IDEM has revised the descriptive information for emission Unit 5, 6 and 7. The change expands the description for the operation of low NO_x burners. There are no new applicable requirements as a result of this change. The change effects Section A.3(c), A.3(d), A.3(e), the facility description boxes in Section D.1, E and G. Revisions to Section A.3 are shown below. Revisions to the Section D.1, E and G facility description boxes are identical to the Section A.3 change and are not shown below:

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

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

-
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, **separated overfire air (SOFA)**, and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
 - (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls, **separated overfire air (SOFA)**, and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
 - (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls, **separated overfire air (SOFA)**, and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
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IDEM Change #4:

Condition D.1.7(b) has been revised at the request of the applicant. Condition D.1.7(b)(1 to 3) apply to the scrubbed stack. The reference to the scrubbed stack was inserted in Condition D.1.7(b) to be consistent throughout the condition. Revisions to Condition D.1.7 are shown below:

D.1.7 Continuous Monitoring of Emissions [326 IAC 3-5]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous opacity monitoring systems for Unit 5, Unit 6 and Unit 7 Bypass Stack shall be calibrated, maintained, and operated for measuring opacity, which meets the performance specifications of 326 IAC 3-5-2.
- (b) Pursuant to Commissioner's Order #2008-02, in lieu of the requirement to monitor opacity in the stack exhaust **from the scrubbed stack** of Unit 7, in accordance with 326 IAC 3-5-1(c)(2)(A), the Permittee shall comply with the following alternative monitoring plan:

IDEM Contact

Questions regarding this proposed permit can be directed to:

David J. Matousek
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension
Or dial directly: (317) 232-8253
dmatouse@idem.in.gov

Please refer to Significant Permit Modification No. 097-26974-00033 in all correspondence.

**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:	Indianapolis Power & Light Company - Harding Street Generating Station
Source Location:	3700 South Harding Street, Indianapolis, Indiana 46217 4190 South Harding Street, Indianapolis, Indiana 46217
County:	Marion County
SIC Code:	4911
Operation Permit No.:	T097-6566-00033
Operation Permit Issuance Date:	July 3, 2006
Significant Permit Modification No.:	097-26974-00033
Permit Reviewer:	David J. Matousek

Source Definition

This electric utility generating station consists of two (2) plants:

- (a) **Plant 1** is located at 3700 South Harding Street, Indianapolis, Indiana 46217, and consists of utility boilers and natural gas and distillate oil fired gas turbine combustion units to produce electricity for sale; and
- (b) **Plant 2** is associated with a communications transmitter tower located at 4190 South Harding Street, Indianapolis, Indiana 46217, and consists of one (1) 81 horsepower diesel fired emergency generator identified as Generator #1.

Since the two (2) plants are located on adjacent or contiguous properties, have the same SIC code and are under common control of the same entity, they are considered one (1) source effective on the issuance date (June 30, 2006) of the Part 70 Operating Permit T097-6566-00033.

Existing Approvals

The source was issued Part 70 Operating Permit No. T097-6566-00033 on July 3, 2006. The source has since received the following approvals:

- (a) Part 70 Operating Permit No. T097-6566-00033, issued by IDEM, OAQ and OES on June 30, 2006 and effective on July 3, 2006;
- (b) First Significant Permit Modification No. 097-23699-00033, issued on July 25, 2007;
- (c) First Administrative Amendment No. 097-25359-00033, issued on September 25, 2007;
- (d) First Acid Rain Renewal No. 097-19343-00033, issued on August 6, 2008;
- (e) First Exemption No. 097-27331-00033, issued on January 9, 2009;
- (f) Second Administrative Amendment No. 097-27608-00033, issued on March 23, 2009; and
- (g) First Acid Rain Renewal Administrative Amendment No. 097-27831-00033, issued on May 5, 2009

County Attainment Status

The source is located in Marion County

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11 th Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County.
O ₃	Attainment effective November 8, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Attainment effective July 10, 2000, for the part of Franklin Township bounded by Thompson Road on the south; Emerson Avenue on the west; Five Points Road on the east; and Troy Avenue on the north. Attainment effective July 10, 2000, for the part of Wayne Township bounded by Rockville Road on the north; Girls School Road on the east; Washington Street on the south; and Bridgeport Road on the west. The remainder of the county is not designated.
¹ Attainment effective October 18, 2000, for the 1-hour ozone standard for the Indianapolis area, including Marion County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 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. Marion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 Marion County has been classified as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. On May 8, 2008, U.S. EPA promulgated specific New Source Review rules for PM_{2.5} emissions, and the effective date of these rules was July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Marion County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, NO₂, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Since this source is classified as a “fossil fuel fired steam electric plant of more than two hundred fifty million (250,000,000) British thermal units per hour heat input,” it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions

This type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, and there is an applicable New Source Performance Standard that was in effect on August 7, 1980, specifically 40 CFR Part 60, Subpart Y, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Description of Proposed Modification

Indianapolis Power & Light Company - Harding Street Generating Station was issued a Part 70 Operating Permit T097-6566-00033 on July 3, 2006 for the operation of a stationary source consisting of coal, distillate oil and waste oil fired utility boilers, as well as, natural gas and distillate oil fired gas turbine combustion units to produce electricity for sale under a Standard Industrial Classification (SIC) Code of 4911 (establishments engaged in the generation, transmission or distribution of electric energy for sale).

Letters requesting changes to this permit were received on April 1, 2008, June 13, 2008 and September 10, 2009. The letter received on September 10, 2009, requested the incorporation of alternative opacity monitoring requirements for one (1) Combustion Engineering Boiler number 70, identified as Unit #7. On October 31, 2008, Commissioner's Order #2008-02 was signed authorizing the alternative opacity monitoring requirements. This Significant Permit Modification No. 097-26974-00033 incorporates the requirements of the Commissioner's Order into Part 70 Operating Permit T097-6566-00033. The letters received on April 1, 2008 and June 13, 2008, requested the incorporation of the applicable requirements of the Clean Air Interstate Rule (CAIR) into the Part 70 Operating Permit. This Significant Permit Modification No. 097-26974-00033 incorporates the requirements of (CAIR) in Part 70 Operating Permit No. T097-6566-00033.

Finally, Indianapolis Power & Light Company - Harding Street Generating Station filed a request for an Administrative Review of Part 70 Operating Permit No. T097-6566-00033 on August 2, 2006, First Significant Permit Modification No. 097-23699-00033 on August 9, 2007, and First Administrative Amendment No. 097-25359-00033 on November 14, 2007. All three appeals were consolidated into Cause No. 06-A-J-3763. On October 20, 2008, an agreement and a joint agreement and motion for stay was reached that would resolve the petition for administrative review. Based on this settlement, IDEM has revised several permit conditions to resolve the petition as agreed in the settlement. This notice fulfills the public notice procedures to which those conditions are subject.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

No new emission units are proposed in this permit modification; therefore, no emission calculations are required.

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."

There is no increase in the potential to emit of any regulated pollutants associated with this permit modification; therefore, this permit modification is not subject to 326 IAC 2-7-10.5. Additionally, the permit modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because of significant changes in Part 70 terms or conditions.

Permit Level Determination – PSD or Nonattainment NSR

This permit modification does not cause an increase in emissions in excess of the PSD or Nonattainment NSR significant levels; therefore, the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 are not applicable.

Federal Rule Applicability Determination

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

Clean Air Interstate Rule (CAIR)

Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit GT4, Unit GT5 and Unit GT6 are subject to the Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual and Sulfur Dioxide Trading Programs – CAIR Permit for CAIR Units Under 40 CFR 97.

State Rule Applicability Determination

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

326 IAC 24 (Clean Air Interstate Rule (CAIR))

Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit GT4, Unit GT5 and Unit GT6 are subject to the Clean Air Interstate Rule (CAIR) Nitrogen Oxides Annual and Sulfur Dioxide Trading Programs – CAIR Permit for CAIR Units Under 326 IAC 24-1-1(a) and 326 IAC 24-2-1(a).

Compliance Determination and Monitoring Requirements

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

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

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

Emission Unit	Parameter	Frequency
Boiler 70 (Unit 7)	PM	The Permittee shall use a continuous opacity monitor (COM) at all times to show compliance with established PM limits until a continuous emissions monitoring system (CEMS) for PM is installed and certified. After the PM CEMS is certified, the Permittee shall demonstrate compliance with the PM CEMS.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T097-6566-00033. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Change #1

All references to Indianapolis Power & Light Company - Harding Street Station have been changed to Indianapolis Power & Light Company - Harding Street Generating Station.

Change #2

All references to the "effective date" of the permit have been revised to the "date of issuance." The conditions affected by this change are original Conditions B.2, B.10, C.10, D.1.6 and D.3.7.

Change #3

Section A.1 has been revised to indicate the current attainment status of Marion County. Specifically, Marion County is now attainment for ozone under the 8-hour standard. The change in attainment status makes the requirements of 326 IAC 2-3 (Emission Offset) no longer applicable. Revisions to Section A.1 are shown below:

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 source consisting of coal, distillate oil and waste oil fired utility boilers, as well as, natural gas and distillate oil fired gas turbine combustion units to produce electricity for sale under a Standard Industrial Classification (SIC) Code of 4911 (establishments engaged in the generation, transmission or distribution of electric energy for sale).

Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
 4190 South Harding Street, Indianapolis, IN 46217

Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217

General Source Phone: (317) 788-5200

SIC Code: 4911

County Location: Marion

Source Location Status: Marion County

~~Nonattainment for ozone under the 8-hour standard~~

Nonattainment for PM2.5;

Attainment for all other criteria pollutants

Source Status: Part 70 Permit Program

Major Source under PSD, ~~Emission Offset Rules~~ and Nonattainment New Source Review

Major Source, Section 112 of the Clean Air Act

1 of 28 Source Categories

Change #4

To standardize references to the responsible official in the permit, all references to a responsible official have been changed to the "responsible official."

Change #5

Original Condition B.4 - Enforceability and the Table of Contents have been revised to correct the rule citations. The correct rule citations are shown below:

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

...

Change #6

IDEM has decided to reference 326 IAC 2 in Section B - Source Modification Requirements, rather than the specific construction rule. Original Condition B.18 - Source Modification Requirement has been revised as shown below:

B.18 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 2-2-2 and/or 326 IAC 2-3-2.~~

Change #7

At the request of the Permittee, IDEM has clarified Condition B.21(f) to indicate emission trades under CAIR are not subject to the requirements of Operational Flexibility. Revisions to Condition B.21(f) are shown below:

B.21 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

...

- (f) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21, ~~or~~ 326 IAC 10-4, **or 326 IAC 24.**

Change #8

IDEM is no longer inserting the date of submittal of the Emergency Reduction Plan in the Part 70 Operating Permit. IDEM believes the date is unnecessary because the plans can be updated without a permit modification. Revisions to original Condition C.15 - Emergency Reduction Plans are shown below:

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

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

- (a) ~~The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 30, 1998~~ **prepared and submitted written emergency plans (ERPs) consistent with safe operating procedures.**

...

Change #9

Original Condition C.4 - Fugitive Dust Emissions has been revised to indicate the condition is not federally enforceable.

C.4 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.**

Change #10

On January 22, 2008, U.S. EPA promulgated a rule to address the remand, by the U.S. Court of Appeals for the District of Columbia on June 25, 2005, of the reasonable possibility provisions of the December 31, 2002 major NSR reform rule. IDEM has agreed, with U.S. EPA, to interpret "reasonable possibility" in 326 IAC 2-2 and 326 IAC 2-3 consistent with the January 22, 2008 U.S. EPA rule. To implement this interpretation, IDEM is revising Section C - General Record Keeping Requirements and Section C - General Reporting Requirements. Finally, additional time was provided for starting record keeping requirements for newly installed equipment. Revisions to original conditions C.20 and C.21 are shown below:

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6][326 IAC 2-2]
[326 IAC 2-3]

...

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of ~~the effective date of this permit issuance~~ **or ninety (90) days of initial start-up, whichever is later.**

- (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 source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) 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~~ **If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:**

...

- (d) **If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:**

- (21) 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

- (32) 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.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11][326 IAC 2-2-3]
[326 IAC 2-3]

...

- (e) The first report shall cover the period commencing on the date of issuance of this permit **or the date of initial start-up, whichever is later**, 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 record keeping provisions of (ed) 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 (ed)(21) and (32) 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.

...

- (h) The report for a 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 (ed)(21) and (32) in Section C - General Record Keeping Requirements.

...

Change #11

Applicable requirements of the Clean Air Interstate Rule (CAIR) have been incorporated into the permit as a new Section G as follows:

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

ORIS Code: 990

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.
- (f) One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.

- (g) One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5-1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.
- (h) One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT-6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.

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

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

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

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

- (a) The owners and operators of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source and CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit shall operate each source and unit in compliance with this CAIR permit.
- (b) The CAIR NO_x unit(s), CAIR SO₂ unit(s), and CAIR NO_x ozone season unit(s) subject to this CAIR permit are Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit GT4, Unit GT5, and Unit GT6.

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

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

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

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 326 IAC 24-1-9(i) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 326 IAC 24-1-11.

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

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

- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions for the control period under 326 IAC 24-2-8(j) and 326 IAC 24-2-8(k) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 326 IAC 24-2-10.
- (b) A CAIR SO₂ unit shall be subject to the requirements under 326 IAC 24-2-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-2-4(c)(2), and for each control period thereafter.
- (c) A CAIR SO₂ allowance shall not be deducted for compliance with the requirements under 326 IAC 24-2-4(c)(1), for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (d) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ allowance tracking system accounts in accordance with 326 IAC 24-2-8, 326 IAC 24-2-9, and 326 IAC 24-2-11.
- (e) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ trading program. No provision of the CAIR SO₂ trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-2-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.
- (f) A CAIR SO₂ allowance does not constitute a property right.

- (g) Upon recordation by the U.S. EPA under 326 IAC 24-2-8, 326 IAC 24-2-9, or 326 IAC 24-2-11, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in this CAIR permit.

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

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

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

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

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

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

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

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

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

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

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

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

- (b) All emissions monitoring information, in accordance with 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11, provided that to the extent that 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11 provides for a three (3) year period for record keeping, the three (3) year period shall apply.
- (c) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program.
- (d) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program or to demonstrate compliance with the requirements of the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program.

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source, including all CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x ozone season units at the source, shall have one (1) and only one (1) CAIR designated representative, with regard to all matters under the CAIR NO_x annual trading program, CAIR SO₂ trading program, and CAIR NO_x ozone season trading program concerning

the source or any CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x ozone season unit at the source.

- (b) The provisions of 326 IAC 24-1-6(f), 326 IAC 24-2-6(f), and 326 IAC 24-3-6(f) shall apply where the owners or operators of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x ozone season source choose to designate an alternate CAIR designated representative.**

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

Change #12

On September 10, 2009, an application was received to incorporate alternative opacity monitoring requirements for one (1) Combustion Engineering Boiler number 70, identified as Unit #7. On October 31, 2008, Commissioner's Order #2008-02 was signed authorizing the alternative opacity monitoring requirements. Original Conditions C.12 - Maintenance of Continuous Emission Monitoring Equipment, D.1.8 - Continuous Monitoring of Emissions and D.1.15 - Record Keeping Requirements have been revised to incorporate the Commissioner's Order. The revised conditions are shown below:

C.12 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)]

(a) Maintenance of SO₂ and NO_x CEMS:

- (1)** The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.
- (b2)** All continuous emission monitoring systems shall meet all applicable performance specifications of 40 CFR 60 or any other performance specification, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (c3)** In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(b) Maintenance of Particulate Matter (PM) CEMS

- (1)** The Permittee shall install, certify, maintain, and operate a CEMS measuring particulate matter emissions discharged from Unit 7 scrubbed stack.
- (2)** The PM continuous emission monitoring systems shall meet applicable requirements of 40 CFR 60, Appendix B, Performance Specification #11.
- (3)** In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(d) ~~Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for maintenance or repairs, the following shall be used as an alternative to continuous data collection~~

~~(1) If the CEM is required for monitoring NO_x or SO₂ emissions pursuant to 40 CFR 75 (Title IV Acid Rain program) or 326 IAC 10-4 (NO_x Budget Trading Program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D—Missing Data Substitution Procedures.~~

~~(2) If the CEM is not used to monitor NO_x or SO₂ emissions pursuant to 40 CFR 75 or~~

~~326 IAC 10-4, then supplemental or intermittent monitoring of the parameter shall be implemented as specified in Section D of this permit until such time as the emission monitor system is back in operation.~~

- ~~(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 326 IAC 10-4, 40 CFR 60 or 40 CFR 75 or the Minor Permit Modification 097-14666-00033 issued by the City of Indianapolis Office of Environmental Services on November 9, 2001 for Unit GT6.~~

D.1.87 Continuous Monitoring of Emissions [326 IAC 3-5]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous opacity monitoring systems for Unit 5~~0~~, Unit 6~~0~~ and Unit 7~~0~~ **Bypass Stack** shall be calibrated, maintained, and operated for measuring opacity, which meets the performance specifications of 326 IAC 3-5-2.
- (b) Pursuant to Commissioner's Order #2008-02, in lieu of the requirement to monitor opacity in the stack exhaust of Unit 7, in accordance with 326 IAC 3-5-1(c)(2)(A), the Permittee shall comply with the following alternative monitoring plan:
- (1) Until the continuous emission monitoring system (CEMS) for monitoring particulate matter from the scrubber stack exhaust of Unit 7 is installed and certified, the continuous opacity monitoring system for Unit 7 shall be calibrated, maintained and operated for measuring opacity, which meets the performance specification of 326 IAC 3-5-2.
 - (2) After the installation and certification of the continuous emission monitoring system (CEMS) for monitoring particulate matter from the scrubber stack exhaust of Unit 7, compliance with PM limitations in Condition D.1.1 shall be demonstrated using a certified PM CEMS installed and certified in accordance with US EPA Performance Specification 11 (PS-11) and operated in accordance with Procedure 2 of Appendix F to 40 CFR 60.
 - (3) Upon successful completion of the certification of the PM CEMS, the Permittee shall submit all required certification testing information to:

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

D.1.15 Record Keeping Requirements

- (a) To document compliance with Section C - Opacity and Conditions D.1.1, D.1.3, D.1.4, **D.1.5, D.1.10**, D.1.12~~3~~ and D.1.14, the Permittee shall maintain records in accordance with (1) through (6~~7~~) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C – Opacity and Conditions D.1.1, D.1.3 and D.1.4:
- (1) Monthly and twelve (12) consecutive month distillate oil consumption in Unit **93**, Unit ~~404~~ and Units GT1, GT2 and GT3;
 - (2) Data and results from the most recent stack test;

- (3) **PM continuous emissions monitoring data associated with Unit 7 scrubbed stack as required in Condition D.1.14.**
 - (4) All continuous opacity monitoring data, pursuant to 326 IAC 3-5;
 - (45) The results of all visible emission (VE) notations. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day);
 - (56) The results of all Method 9 visible emission readings taken during any periods of COM downtime; **and**
 - (67) All ESP parametric monitoring readings.
- (b) To document compliance with Condition D.1.2, **D.1.8 and D.1.13**, the Permittee shall maintain records in accordance with (1) through (34) below. Records shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.2 ~~and D.1.9~~ for Unit 50, Unit 60 and Unit 70.
- (1) When using SO₂ CEMs to demonstrate compliance, all SO₂ continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(~~gt~~);
 - (2) When using fuel sampling and analysis to demonstrate compliance, all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) ~~Actual~~ **Calculated actual** fuel usage since last compliance determination period **during each SO₂ CEM downtime for the Unit(s) affected by CEM downtime lasting 24 or more hours.**
 - (4) **The substitute data used for the missing data periods if data substitution pursuant to 40 CFR Part 75 Subpart D is used to provide data for the SO₂ CEM downtime, in accordance with Condition D.1.13.**
- (c) To document compliance with Condition D.1.2 **and D.1.9**, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be complete and sufficient to establish compliance with the SO₂ limit established in Condition D.1.2 for Unit 93, Unit 404, Unit GT1, Unit GT2 and Unit GT3.

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Change #13

A new condition has been added to Section D.1 to incorporate installation, certification, maintenance and operational requirements for the Continuous Emission Monitoring System (CEMS) for particulate matter on the stack exhaust of Unit 7, as required by the Commissioner's Order. The proposed Condition follows:

D.1.14 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 2-7-5(3)(A)]

- (a) **The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 7 scrubbed stack to the atmosphere and record the output of the system as specified in paragraphs (a)(1) through (a)(5).**
 - (1) **Each CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11.**

- (2) **Compliance with the applicable particulate emission limit shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data. The 24-hour block arithmetic average emission concentration shall be calculated using EPA Reference Method 19 of Appendix A, section 12.4.1.**
 - (3) **At a minimum, valid CEMS operating hourly averages shall be obtained for 75 percent of all operating hours on a 30-day rolling average basis.**
 - (i) **At least two valid data points per hour shall be used to calculate each 1-hour arithmetic average.**
 - (4) **The 1-hour arithmetic averages required shall be expressed in lb/MMBtu and shall be used to calculate the boiler operating 24-hour daily arithmetic average emission concentrations. The 24-hour arithmetic averages shall be calculated using the valid operating hourly data points.**
 - (5) **All valid operating hourly CEMS data shall be used in calculating daily average emission concentrations.**
- (b) **When PM emissions data are not obtained because of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained by using EPA Reference Method 19 of appendix A to provide, as necessary, valid emissions data for a minimum 75 percent of all operating hours per 30-day rolling average.**

Change #14

Original Condition D.1.16 - Reporting Requirements has been revised to fix a typographical error. Revisions to this condition follow:

D.1.16 Reporting Requirements

A quarterly report of opacity exceedances, continuous emission monitor exceedances and a quarterly summary of the information to document compliance with Condition D.1.1, D.1.2, D.1.8, D.1.9 and D.1.13 shall be submitted to the address(es) 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 #15

The facility description box in Section E has been revised to match the corrected emission unit identification numbers in Section A. The revised facility description boxes are shown below:

SECTION E

TITLE IV CONDITIONS

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit **93**. Unit **93** is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit **404**. Unit **404** is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. **Installed in 1947.**

- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 50. Unit 50 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 50. Installation date for Unit 50 is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 60. Unit 60 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 60. Installation date for Unit 60 is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 70. Unit 70 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 70 is equipped with low NO_x burners, ~~SCR and a FGD scrubber~~ **neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack.** Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 70. Construction was commenced on Unit 70 prior to August 17, 1971 and completed in 1973.

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Change #16

Original Section F has been removed from the permit because the sunset provision of 326 IAC 10-4 state the rule does not apply to any control period in 2009 or thereafter. The table of contents have been revised to reflect the removal Section F. The section removed is shown below:

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

~~ORIS Code: 990~~

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

- ~~(a) One (1) Combustion Engineering Boiler number 9 identified as Unit 3. Unit 3 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.~~
- ~~(b) One (1) Combustion Engineering Boiler number 10 identified as Unit 4. Unit 4 is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. Installed in 1947.~~
- ~~(c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5. Unit 5 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning~~

~~agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5. Installation date for Unit 5 is 1958.~~

- (d) ~~One (1) Combustion Engineering Boiler number 60 identified as Unit 6. Unit 6 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed. Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6. Installation date for Unit 6 is 1961.~~
- (e) ~~One (1) Combustion Engineering Boiler number 70 identified as Unit 7. Unit 7 is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7 is equipped with low NO_x burners, neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack. Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7. Construction was commenced on Unit 7 prior to August 17, 1971 and completed in 1973.~~
- (f) ~~One (1) General Electric Gas Turbine Engine number GT4 identified as Unit GT4. Unit GT4 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 875.0 million Btu per hour and exhausting at Stack/Vent ID GT4 1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT4 is 1994.~~
- (g) ~~One (1) General Electric Gas Turbine Engine number GT5 identified as Unit GT5. Unit GT5 is a distillate oil fired and/or natural gas fired unit with a design heat input capacity rated at 867.0 million Btu per hour and exhausting at Stack/Vent ID GT5 1. Model number MS 7001. Water injection performed for NO_x emission control. Installation date for Unit GT5 is 1995.~~
- (h) ~~One (1) General Electric Gas Turbine Model number PG7241 identified as Unit GT6. Unit GT6 is a natural gas fired unit with a design heat input capacity rated at 1,660 MMBtu per hour and exhausting at Stack/Vent ID GT6. NO_x emissions will be controlled by dry low NO_x burners. Installation date for Unit GT6 is 2002.~~

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

F.1 Automatic Incorporation of Definitions [326 IAC 10-4-7(e)]

~~This NO_x budget permit is deemed to incorporate automatically the definitions of terms under 326 IAC 10-4-2.~~

F.2 Standard Permit Requirements [326 IAC 10-4-4(a)]

(a) ~~The owners and operators of the NO_x budget source and each NO_x budget unit shall operate each unit in compliance with this NO_x budget permit.~~

(b) ~~The NO_x budget units subject to this NO_x budget permit are Unit 3, Unit 4, Unit 5, Unit 6, Unit 7, Unit GT4, Unit GT5 and Unit GT6.~~

F.3 Monitoring Requirements [326 IAC 10-4-4(b)]

(a) ~~The owners and operators and, to the extent applicable, the NO_x authorized account~~

representative of the NO_x budget source and each NO_x budget unit at the source shall comply with the monitoring requirements of 40 CFR 75 and 326 IAC 10-4-12.

- (b) ~~The emissions measurements recorded and reported in accordance with 40 CFR 75 and 326 IAC 10-4-12 shall be used to determine compliance by each unit with the NO_x budget emissions limitation under 326 IAC 10-4-4(e) and Condition F.4, Nitrogen Oxides Requirements.~~

~~F.4 Nitrogen Oxides Requirements [326 IAC 10-4-4(e)]~~

- (a) ~~The owners and operators of the NO_x budget source and each NO_x budget unit at the source shall hold NO_x allowances available for compliance deductions under 326 IAC 10-4-10(j), as of the NO_x allowance transfer deadline, in each unit's compliance account and the source's overdraft account in an amount:~~
- (1) ~~Not less than the total NO_x emissions for the ozone control period from the unit, as determined in accordance with 40 CFR 75 and 326 IAC 10-4-12;~~
 - (2) ~~To account for excess emissions for a prior ozone control period under 326 IAC 10-4-10(k)(5); or~~
 - (3) ~~To account for withdrawal from the NO_x budget trading program, or a change in regulatory status of a NO_x budget unit.~~
- (b) ~~Each ton of NO_x emitted in excess of the NO_x budget emissions limitation shall constitute a separate violation of the Clean Air Act (CAA) and 326 IAC 10-4.~~
- (c) ~~Each NO_x budget unit shall be subject to the requirements under (a) above and 326 IAC 10-4-4(c)(1) starting on May 31, 2004.~~
- (d) ~~NO_x allowances shall be held in, deducted from, or transferred among NO_x allowance tracking system accounts in accordance with 326 IAC 10-4-9 through 11, 326 IAC 10-4-13, and 326 IAC 10-4-14.~~
- (e) ~~A NO_x allowance shall not be deducted, in order to comply with the requirements under (a) above and 326 IAC 10-4-4(c)(1), for an ozone control period in a year prior to the year for which the NO_x allowance was allocated.~~
- (f) ~~A NO_x allowance allocated under the NO_x budget trading program is a limited authorization to emit one (1) ton of NO_x in accordance with the NO_x budget trading program. No provision of the NO_x budget trading program, the NO_x budget permit application, the NO_x budget permit, or an exemption under 326 IAC 10-4-3 and no provision of law shall be construed to limit the authority of the U.S. EPA or IDEM, OAQ to terminate or limit the authorization.~~
- (g) ~~A NO_x allowance allocated under the NO_x budget trading program does not constitute a property right.~~
- (h) ~~Upon recording by the U.S. EPA under 326 IAC 10-4-10, 326 IAC 10-4-11, or 326 IAC 10-4-13, every allocation, transfer, or deduction of a NO_x allowance to or from each NO_x budget unit's compliance account or the overdraft account of the source where the unit is located is deemed to amend automatically, and become a part of, this NO_x budget permit of the NO_x budget unit by operation of law without any further review.~~

~~F.5 Excess Emissions Requirements [326 IAC 10-4-4(d)]~~

~~The owners and operators of each NO_x budget unit that has excess emissions in any ozone control period shall do the following:~~

- (a) ~~Surrender the NO_x allowances required for deduction under 326 IAC 10-4-10(k)(5).~~
- (b) ~~Pay any fine, penalty, or assessment or comply with any other remedy imposed under 326 IAC 10-4-10(k)(7).~~

~~F.6 Record Keeping Requirements [326 IAC 10-4-4(e)][326 IAC 2-7-5(3)]~~

~~Unless otherwise provided, the owners and operators of the NO_x budget source and each NO_x budget unit at the source shall keep, either on site at the source or at a central location within Indiana for those owners or operators with unattended sources, each of the following documents for a period of five (5) years:~~

- (a) ~~The account certificate of representation for the NO_x authorized account representative for the source and each NO_x budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 326 IAC 10-4-6(h). The certificate and documents shall be retained either on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond the five (5) year period until the documents are superseded because of the submission of a new account certificate of representation changing the NO_x authorized account representative.~~
- (b) ~~All emissions monitoring information, in accordance with 40 CFR 75 and 326 IAC 10-4-12, provided that to the extent that 40 CFR 75 and 326 IAC 10-4-12 provide for a three (3) year period for record keeping, the three (3) year period shall apply.~~
- (c) ~~Copies of all reports, compliance certifications, and other submissions and all records made or required under the NO_x budget trading program.~~
- (d) ~~Copies of all documents used to complete a NO_x budget permit application and any other submission under the NO_x budget trading program or to demonstrate compliance with the requirements of the NO_x budget trading program.~~

~~This period may be extended for cause, at any time prior to the end of five (5) years, in writing by IDEM, OAQ or the U.S. EPA. Records retained at a central location within Indiana shall be available immediately at the location and submitted to IDEM, OAQ or U.S. EPA within three (3) business days following receipt of a written request. Nothing in 326 IAC 10-4-4(e) shall alter the record retention requirements for a source under 40 CFR 75. Unless otherwise provided, all records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

~~F.7 Reporting Requirements [326 IAC 10-4-4(e)]~~

- (a) ~~The NO_x authorized account representative of the NO_x budget source and each NO_x budget unit at the source shall submit the reports and compliance certifications required under the NO_x budget trading program, including those under 326 IAC 10-4-8, 326 IAC 10-4-12, or 326 IAC 10-4-13.~~
- (b) ~~Pursuant to 326 IAC 10-4-4(e) and 326 IAC 10-4-6(e)(1), each submission shall include the following certification statement by the NO_x authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NO_x budget sources or NO_x budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."~~

- ~~(c) Where 326 IAC 10-4 requires a submission to IDEM, OAQ, the NO_x-authorized account representative shall submit required information to:~~

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

- ~~(d) Where 326 IAC 10-4 requires a submission to U.S. EPA, the NO_x-authorized account representative shall submit required information to:~~

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

~~F.8 Liability [326 IAC 10-4-4(f)]~~

~~The owners and operators of each NO_x budget source shall be liable as follows:~~

- ~~(a) Any person who knowingly violates any requirement or prohibition of the NO_x budget trading program, a NO_x budget permit, or an exemption under 326 IAC 10-4-3 shall be subject to enforcement pursuant to applicable state or federal law.~~
- ~~(b) Any person who knowingly makes a false material statement in any record, submission, or report under the NO_x budget trading program shall be subject to criminal enforcement pursuant to the applicable state or federal law.~~
- ~~(c) No permit revision shall excuse any violation of the requirements of the NO_x budget trading program that occurs prior to the date that the revision takes effect.~~
- ~~(d) Each NO_x budget source and each NO_x budget unit shall meet the requirements of the NO_x budget trading program.~~
- ~~(e) Any provision of the NO_x budget trading program that applies to a NO_x budget source, including a provision applicable to the NO_x authorized account representative of a NO_x budget source, shall also apply to the owners and operators of the source and of the NO_x budget units at the source.~~
- ~~(f) Any provision of the NO_x budget trading program that applies to a NO_x budget unit, including a provision applicable to the NO_x authorized account representative of a NO_x budget unit, shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under 40 CFR 75 and 326 IAC 10-4-12, the owners and operators and the NO_x authorized account representative of one (1) NO_x budget unit shall not be liable for any violation by any other NO_x budget unit of which they are not owners or operators or the NO_x authorized account representative and that is located at a source of which they are not owners or operators or the NO_x authorized account representative.~~

~~F.9 Effect on Other Authorities [326 IAC 10-4-4(g)]~~

~~No provision of the NO_x budget trading program, a NO_x budget permit application, a NO_x budget permit, or an exemption under 326 IAC 10-4-3 shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the NO_x authorized account representative of a NO_x budget source or NO_x budget unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the CAA.~~

Change #17

Original Conditions D.1.6 and D.2.9 have been revised to remove the exact date of follow up emissions testing. IDEM believes the exact date can be in error and confusing if testing is conducted before the date listed. The revised language satisfies the requirement for an enforceable condition requiring follow up testing. Finally, the conditions have been renumbered to reflect the current numbering system for Section D.1. Revisions to original Conditions D.1.6 and D.2.9 are shown below:

D.1.65 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

No later than twenty four (24) months after the effective date of the Part 70 Permit for this source, compliance with the PM limitation in Condition D.1.1(a) for Boilers 50, and 60 and 70, identified as Units 50, and 60 and 70, shall be determined by a performance stack test conducted utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two (2) years following the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.2.98 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

~~The Permittee shall conduct a performance stack test utilizing Method 7 (40 CFR 60, Appendix A) or other methods as approved by the Commissioner for NO_x emissions from Unit GT4 and Unit GT5 no later than September 18, 2008 which corresponds to five (5) years since the last valid stack test. Performance stack testing for NO_x emissions shall be conducted while burning natural gas and while burning distillate oil. Performance Stack testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.~~ **Within five (5) years from the date of the last valid compliance test and in order to show compliance with Condition D.2.3 for Unit GT4 and Unit GT5, the Permittee shall conduct NO_x emissions testing by a performance stack test utilizing methods as approved by the Commissioner. This test shall be repeated at least every five (5) years following the date of the last valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.**

Change #18

Original Condition D.2.15 - Record Keeping Requirements has been corrected. Original Condition D.2.14, now Condition D.2.13, does not contain an emission limitation. Also, condition references have been updated to reflect a new numbering system in Section D.2. Revisions to Original Condition D.2.15 are shown below:

D.2.145 Record Keeping Requirements

- (a) To document compliance with Conditions D.2.2, D.2.3, D.2.4, D.2.5, D.2.6, D.2.7, D.2.98, D.2.940, D.2.112, D.2.123 and D.2.134, 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 Conditions D.2.2, D.2.3, D.2.4, D.2.5, D.2.6, and D.2.7, and D.2.14:

...

Change #19

Original Condition D.4.4 - Record Keeping Requirements has been revised to update the condition number and to correct a typographical error. The Permittee conducts daily visible emission notations so a daily record of the notations is required. Revisions to this condition are shown below:

D.4.43 Record Keeping Requirements

- (a) The Permittee shall maintain records of annual operating hours per year for Unit ST14.
- (b) To document compliance with Condition D.4.32, the Permittee shall maintain records of the visible emission notations of Stack/Vent ID ST14-1 once per day. The Permittee shall

include in its ~~weekly~~ **daily** record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

...

Change #20

Original Condition D.7.2 has been revised to correct emission unit identification numbers and to remove references to emission units no longer in the permit. Revisions to Condition D.7.2 are shown below:

D.7.2 PSD Minor Limit [326 IAC 2-2] [326 IAC 2-1.1-5]

- (a) PM₁₀ emissions from each limestone storage silo, identified as L7-1 and L7-2, shall not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour.
- (b) PM emissions from each limestone storage silo, identified as L7-1 and L7-2, shall not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour.

Compliance with these emission limits will ensure that the limited potential to emit from emission units L7-1 and L7-2, combined with the unrestricted potential to emit from emission units T-1, T-2, T-3, **and** T-4, ~~T-5 and T-6~~, is less than twenty-five (25) tons of PM per year and less than fifteen (15) tons of PM₁₀ per year and, therefore, will render the requirements of 326 IAC 2-2 and 326 IAC 2-1.1-5 not applicable.

Appeal Resolution

Indianapolis Power & Light Company - Harding Street Generating Station filed a request for an Administrative Review of Part 70 Operating Permit No. T097-6566-00033 on August 2, 2006, First Significant Permit Modification No. 097-23699-00033, and First Administrative Amendment No. 097-25359-00033 on November 14, 2007. All three appeals were consolidated into Cause No. 06-A-J-3763. On October 20, 2008, an agreement and joint agreement and motion for stay was reached that would resolve the petition for administrative review. Based on this settlement, IDEM has revised several permit conditions to resolve the petition as agreed in the settlement. The following reflect the resolution to the appeal issues:

Appeal Resolution Item #1

Original Section A.3 and Section A.4 have been revised to correct the emission unit descriptive information for several emission units. These revisions are carried forward throughout the permit and each occurrence is not shown. Revisions to Section A.3 and A.4 are shown below:

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

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit **93**. Unit **93** is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit **404**. Unit **404** is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. **Installed in 1947.**
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit **50**. Unit **50** is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required

to perform gas conditioning. Also equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5θ. Installation date for Unit 5θ is 1958.

- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6θ. Unit 6θ is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6θ. Installation date for Unit 6θ is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7θ. Unit 7θ is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7θ is equipped with low NO_x burners, ~~SCR and a FGD scrubber~~ **neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack.** Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7θ. Construction was commenced on Unit 7θ prior to August 17, 1971 and completed in 1973.

...

- ~~(m) Outside coal storage and handling identified as Unit ID ST37 and ST39. Includes railcar and truck receiving of coal, conveying of coal in enclosed conveyors to coal crusher houses and outside storage of coal. Annual rated storage and throughput of coal estimated to be 7.5 million tons per year. Paved and unpaved plant roads are identified as Unit ST41. Installation date of 1958.~~
- (m) **Coal material handling and storage system with a maximum annual capacity of 7.5 million tons per year and described as follows:**
- (1) **One (1) crusher house, consisting of the following equipment:**
 - (i) **Two (2) crushers constructed in 1958;**
 - (ii) **One (1) self cleaning static grizzly constructed in 1996; and**
 - (iii) **One (1) self cleaning static grizzly constructed in 2006.**
 - (2) **One (1) covered conveyor system, constructed in 1931, consisting of the following equipment:**
 - (i) **No. 2 conveyor which transfers coal from the railcar receiving area to the crusher house;**
 - (ii) **No. 3 conveyor transfers coal from the crusher to No. 4 conveyor;**
 - (iii) **No. 4 conveyor transfers coal from the crusher to the cross-over conveyor;**
 - (iv) **Cross-over conveyor transfers coal from No. 4 conveyor to No. 5 conveyor or to conveyor 705 (which then transfers to conveyor 703 and to Unit 7); and**
 - (v) **No. 5 conveyor transfers coal from the cross-over conveyor to Unit 5 or Unit 6.**

- (3) **One (1) covered conveyor system, constructed in 1958 and consisting of the following equipment:**
 - (i) **Conveyors identified as 600A, 600B, 601, 602, 605, and 606. 600A and 600B conveyor transfers coal from the railcar receiving area to 601 and 602 conveyors which transfer coal to the crusher house; and**
 - (ii) **605 conveyor transfers coal to 606 or 703 conveyors. 605 and 606 conveyors are located inside the building and transfer coal to five (5) conveyors which transfer coal to Unit 5's and Unit 6's coal bunkers.**

- (4) **One (1) covered conveyor system which became commercial in 1973 and consists of the following equipment:**
 - (i) **Conveyors identified as 701 and 702 transfer coal to either the crusher house or the low sulfur coal pile; and**
 - (ii) **Conveyors identified as 703 and 704 are the conveyors which transfer coal from 601, 602, and 605 conveyors to Unit 7's coal bunkers.**

- (5) **One (1) covered conveyor system, constructed in 2006 and consisting of the following equipment:**
 - (i) **Conveyors identified as 801 and 802 transfer coal to the outside high sulfur coal storage pile.**

- (6) **One (1) covered conveyor system, constructed in 2006 and consists of the following equipment subject to 40 CFR Part 60, Subpart Y;**
 - (i) **Conveyors identified as 803 and 804 transfer coal from the high sulfur storage pile to the crusher house.**

- ...

- (p) Two (2) 630 ton capacity limestone storage silos, identified as L7-1 and L7-2, using bin vents LC7-1 and LC7-2 as control, and exhausting to stack/vent LSV7-1 and LSV7-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L7-1 and L7-2 are each considered an affected facility.

- (q) Two (2) weigh feeders which transfer limestone from the silos to the two (2) enclosed wet ball mills (grinding mills) for grinding limestone, identified as BM7-1 and BM7-2. The ball mill grinding mills are located in a covered building. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, BM7-1 and BM7-2 are each considered an affected facility.

- (r) Gypsum transfer, identified as T-3, with a maximum capacity to transfer 414,000 tons of gypsum per year and using no control. ~~Gypsum transfer includes two (2) storage piles inside the gypsum storage building and one (1) outdoor emergency storage pile. Constructed in 2007.~~ **Approved for construction in 2006.**

- (s) Six (6) covered gypsum conveyors, identified as T-4, with a maximum capacity to convey 414,000 tons of gypsum and using no control. ~~Constructed in 2007. Under 40 CFR 60.670, Subpart OOO, T-4 is considered an affected facility.~~ **Approved for construction in 2006.**

- ~~(t) Coal transfer to an outdoor storage pile, identified as T-5, with a maximum capacity to transfer 2,500,000 tons of coal per year and using no control. Approved for construction in 2006.~~

- ~~(u) Five (5) covered coal conveyors, identified as T-6, with a maximum capacity to convey 2,500,000 tons of coal per year and using no control. Approved for construction in 2006. Under 40 CFR 60.250, Subpart Y, T-6 is considered an affected facility.~~

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

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

- (a) Fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight. [326 IAC 6.5-1-2(a)]
- (b) ~~The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.5-1-2(a)]~~
- (c) ~~Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6.5-1-2(a)]~~ **6-4 and 326 IAC 6-5]**
- (d) Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2(a)]
- (e) ~~Vents from ash transport systems not operated at positive pressure. [326 IAC 6.5-1-2(a)]~~
- (f) **Truck hauling and general activities on paved and unpaved roads and parking lots with public access. [326 IAC 6-4 and 326 IAC 6-5]**
- (g) ~~Coal pile wind erosion. Coal drop points. Coal crushing. [326 IAC 6.5-1-2(a)]~~ **6-4 and 326 IAC 6-5]**
- (h) ~~Conveying ash by slurry to retention ponds. [326 IAC 6.5-1-2(a)]~~
- (i) Two (2) flyash silos identified as Unit 50/60 Flyash Silo and Unit 70 Flyash Silo for truck loading. Each silo is exhausted to a baghouse. [326 IAC 6.5-1-2(a)]
- (j) ~~Bottom ash and flyash retention ponds. [326 IAC 6.5-1-2(a)]~~ **[326 IAC 6-4 and 326 IAC 6-5]**
- (k) **Coal fly ash unloading from silos [326 IAC 6-4 and 326 IAC 6-5]**
- (l) **Coal ash handling and transfer [326 IAC 6-4 and 326 IAC 6-5]**
- (m) ~~Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6(Trichloroethylene degreaser, D-1, with a maximum throughput to 120 gallons per 12 months). [326 IAC 8-3-2] [326 IAC 8-3-5]~~
- (n) One (1) 81 horsepower diesel fired emergency generator identified as Emission Unit ID Generator # 1 associated with a communication transmitter tower located at 4190 S. Harding Street, Indianapolis, Indiana, 46217. [326 IAC 6.5-1-2(a)]

Appeal Resolution Item #2

Original Condition B.10 has been revised to clarify the portions of the source required to comply with the PMP requirement. Revisions to B.10 are shown below:

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 the effective date of this permit, including the following information on each facility~~ **The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days**

after issuance of this permit for the source described in 326 IAC 1-6-3. At a minimum, the PMPs shall contain the following information on each facility:

...

Appeal Resolution Item #3

Original Condition B.13 has been revised to clarify that the issuance of the Title V Operating Permit supersedes all previous registrations and permits except permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21. Revisions to original Condition B.13 are shown below:

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

- (a) ...
- (b) ~~Provided that all terms and conditions are accurately reflected in this permit, a~~All previous registrations and permits are superseded by this Part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

Appeal Resolution Item #4

Original Condition C.11 has been revised to provide rule citations requiring the operation of a COM and to update the requirements for Method 9 visible emission notations. Revisions to C.11 are shown below:

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 Unit 7 Bypass stack, Unit 3 and Unit 4**. For a boiler, the COM shall be in operation **in accordance with 326 IAC 3-5 and 40 CFR Part 60** at all times that the ~~induced~~ **forced** draft fan is in operation.
- ...
- (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 in line within twenty-four (24) hours of shutdown or malfunction or 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 ~~later more~~ **later more** than twenty-four (24) hours after the start of the malfunction or down time; **provided, however, that if such 24-hour period ends during the period beginning two (2) hours before sunset and ending two (2) hours after sunrise, then such visible emissions readings shall begin within four (4) hours of sunrise on the day following the expiration of such 24-hour period.**
 - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, **with at least four (4) hours between each set of readings**, until a COMS is in online.
 - (3) **Method 9 readings are not required on stacks with operating scrubbers.**
 - (34) Method 9 readings may be discontinued once a COM is online.
 - (45) 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.

Appeal Resolution Item #5

Original Condition D.1.4 has been corrected to indicate the temporary alternative opacity limits apply only to Units 5 and 6 and the bypass stack for Unit 7. Also, the emission unit identification numbers have been corrected. Revisions are shown below:

D.1.4 Startup, Shutdown and Other Opacity Limits [326 IAC 5-1-3(e)(2)] [326 IAC 5-1-3(b)]

- (a) Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the following applies to Unit 5~~0~~, Unit 6~~0~~ and Unit 7~~0~~ **Bypass Stack**:
- (1) When building a new fire in Unit 5~~0~~ or Unit 6~~0~~, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of twenty-five (25) six (6)-minute averaged periods (2.5 hours) during the startup period, or until the flue gas temperature entering the electrostatic precipitator reaches two hundred and fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitator, whichever occurs first. [326 IAC 5-1-3(e)(2)]
 - (2) When building a new fire in Unit 7~~0~~ **Bypass Stack**, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of fifty (50) six (6)-minute averaged periods (5.0 hours) during the startup period, or until the flue gas temperature entering the electrostatic precipitator reaches two hundred and fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitator, whichever occurs first. [326 IAC 5-1-3(e)(2)]
 - (3) When shutting down Unit 5~~0~~, Unit 6~~0~~ and/or Unit 7~~0~~ **Bypass Stack**, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of ten (10) six (6)-minute averaging periods (1.0 hours) for each Unit. [326 IAC 5-1-3(e)(2)]

...

Appeal Resolution Item #6

The facility description box in Section D.1 has been revised to reflect revisions made to the emission unit descriptions described above. Revisions are shown below:

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit ~~93~~. Unit ~~93~~ is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 3-1. Equipped with no add on air pollution control equipment. Installed in 1942.
- (b) One (1) Combustion Engineering Boiler number 10 identified as Unit ~~404~~. Unit ~~404~~ is a distillate oil fired unit with a design heat input capacity rated at 527.0 million Btu per hour and exhausting to Stack/Vent ID 4-1. Equipped with no add on air pollution control equipment. **Installed in 1947.**
- (c) One (1) Combustion Engineering Boiler number 50 identified as Unit 5~~0~~. Unit 5~~0~~ is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 50 and exhausting at Stack/Vent ID 5-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also

- equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 5θ. Installation date for Unit 5θ is 1958.
- (d) One (1) Combustion Engineering Boiler number 60 identified as Unit 6θ. Unit 6θ is a pulverized coal tangentially fired unit with a design heat input capacity rated at 1017.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 60 and exhausting at Stack/Vent ID 6-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Also equipped with low NO_x burners, **neural net controls and selective non-catalytic reduction technology (SNCR). These technologies were voluntarily installed.** Distillate fuel oil is used as supplemental fuel and for firing during startup of Unit 6θ. Installation date for Unit 6θ is 1961.
- (e) One (1) Combustion Engineering Boiler number 70 identified as Unit 7θ. Unit 7θ is a pulverized coal tangentially fired unit with a design heat input capacity rated at 4123.0 million Btu per hour. Emissions are directed to one (1) cold side electrostatic precipitator identified as Control Equipment ID CE 70 and exhausting at Stack/Vent ID 7-1. SO₃ injection is utilized as a flue gas conditioning agent for the electrostatic precipitator but the source is not required to perform gas conditioning. Unit 7θ is equipped with low NO_x burners, ~~SCR and a FGD scrubber~~ **neural net controls and selective catalytic reduction technology (SCR) and FGD scrubber. These technologies were voluntarily installed. When the FGD is in operation, Unit 7 exhausts to a separate wet stack.** Distillate fuel oil and used oil are used as supplemental fuel and for firing during startup of Unit 7θ. Construction was commenced on Unit 7θ prior to August 17, 1971 and completed in 1973.
- ...
- (g) One (1) General Electric Gas Turbine Engine number GT2 identified as Unit GT2. Unit GT2 is a distillate oil fired unit with a design heat input capacity rated at 299.0 million Btu per hour and exhausting at Stack/Vent ID GT2-1. Model number MS 5000. Equipped with no add on air pollution control equipment. Installation date for Unit GT2 is 1973.
- ...

Appeal Resolution Item #7

Original Condition D.1.1 was revised to correct emission unit identification numbers and to provide a method to determine compliance with the PM emission limits of Condition D.1.1(a). Revisions to original Condition D.1.1 are shown below:

D.1.1 Marion County [326 IAC 6.5-6] [326 IAC 2-7-5]

- (a) Pursuant to 326 IAC 6.5-6 (Marion County), the Permittee shall comply with the following emission limitations for particulate (PM):

Unit ID	PM Limit (pounds PM per million Btu)	PM Limit (tons per year)
Unit 93 (Boiler number 9)	0.015	1.9
Unit 104 (Boiler number 10)	0.015	2.2
Unit 5θ (Boiler number 50)	0.135	82.2
Unit 6θ (Boiler number 60)	0.135	82.2
Unit 7θ (Boiler number 70)	0.10	830.7
Unit GT1 (Gas Turbine GT1)	0.015	0.28
Unit GT2 (Gas Turbine GT2)	0.015	0.28
Unit GT3 (Gas Turbine GT3)	0.015	0.28

(b) Pursuant to 326 IAC 2-7-5 (Part 70 Permits: Content) and 326 IAC 6.5-6 (Marion County):

(1) Boiler number 9, identified as Unit 9, shall be limited to a PM emission rate of two (2.0) pounds per thousand gallons (kgal) and the input of distillate oil fired in Unit 9 shall not exceed 1900 kgal per twelve (12) consecutive month period with compliance demonstrated at the end of each month such that compliance with 326 IAC 6.5-6 can be demonstrated.

(2) Boiler number 10, identified as Unit 10, shall be limited to a PM emission rate of two (2.0) pounds per thousand gallons (kgal) and the input of distillate oil fired in Unit 9 shall not exceed 2200 kgal per twelve (12) consecutive month period with compliance demonstrated at the end of each month such that compliance with 326 IAC 6.5-6 can be demonstrated.

(3) Gas Turbines GT1, GT2 and GT3, identified as Unit ID GT1, GT2 and GT3 shall be limited to a PM emission rate of twelve hundredths (0.012) pounds per million Btu and the input of distillate oil fired in Emission Unit ID GT1, GT2 and GT3 shall each not exceed 333,333 gallons per twelve (12) consecutive month period with compliance demonstrated at the end of each month such that compliance with 326 IAC 6.5-6 can be demonstrated.

(e) Pursuant to 326 IAC 6.5-6-1(b) (Marion County), the Permittee shall be considered in compliance with the tons per year emission limits if within five percent (5%) of the emission limit established pursuant to 326 IAC 6.5-6.

(c) Pursuant to 326 IAC 6.5 and 326 IAC 2-7-5, compliance with the PM tons per year limit for Units 3 and 4 shall be demonstrated by recording, on a monthly basis, the usage of oil in tons per twelve (12) consecutive month period and using the PM limit established in D.1.1(a) or an emission factor as determined from the most recent IDEM approved PM stack test in the following formula to determine the PM emissions for each month. Compliance shall then be determined by summing the values obtained from the formula for the most recent 12 consecutive month period.

$$\text{PM emissions (tons/month)} = \text{Oil usage (gallons/month)} * \text{PM content (lb/MMBtu)} * \frac{1}{\text{Heat content (MMBtu/gal)} * 2000 \text{ lbs}}$$

Where: PM content = Limit contained in D.1.1(a) or an emission factor as determined from the most recent IDEM approved PM stack test and Heat content = 0.139 MMBtu/gal.

Appeal Resolution Item #8

Original Conditions D.1.5, D.2.8, D.3.4, D.4.2 and D.7.3 have been removed from the permit. IDEM concurs that the requirements for a PMP do not apply to the units listed in these conditions. All remaining conditions in the individual sections have been renumbered as a result of the removal of these conditions. Condition references throughout Section D.1, D.2, D.3, D.4 and D.7 have been revised to reflect the new numbering system. The conditions removed are shown below:

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

~~A Preventive Maintenance Plan (PMP), in accordance with Section B Preventive Maintenance Plan, of this permit, is required for Unit 9, 10, 50, 60, 70 GT1, GT2 and GT3 and any emission control devices.~~

~~D.2.8 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 Unit GT4 and Unit GT5 and any emission control devices.~~

~~D.3.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Unit GT6 and any emission control devices.~~

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

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Unit ST14.~~

~~D.7.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for emission units T-2, L-1, L-2, T-4 and any control device.~~

Appeal Resolution Item #9

Original Conditions D.1.9 has been revised to correct the emission unit identification numbers. Also, compliance determination requirements have been revised to allow the use of a continuous emission monitor in place of coal sampling and analysis. Revisions to original Condition D.1.9 are shown below:

D.1.98 Sulfur Dioxide Emissions (SO₂) and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-2]

Compliance for Unit 50, Unit 60 and Unit 70 shall be determined as follows:

- (a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of the SO₂ limitation(s) in pounds per million Btu for Unit 50, Unit 60 and Unit 70 stated in Condition D.1.2, using a thirty (30) day rolling weighted average.
- (b) **The Permittee shall demonstrate compliance with these requirements through the operation of a continuous emissions monitor.** Pursuant to 326 IAC 7-2-1(e) and 326 IAC 3-7, coal sampling and analysis data shall be collected as follows:
 - (1) ~~Coal sampling shall be performed using the methods specified in 326 IAC 3-7-2(a), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2(c), (d) and (e); or~~
 - (2) ~~Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.~~
- (c) ~~Pursuant to 326 IAC 7-2-1(d), compliance or noncompliance with the emission limitations contained in 326 IAC 7-4 may be determined by a stack test conducted in accordance with 326 IAC 3-6 utilizing procedures outlined in 40 CFR 60, Appendix A, Method 6, 6A, 6C or 8.~~
- (d) ~~A determination of noncompliance, pursuant to either 326 IAC 7-2-1(d) or 326 IAC 7-2-1(e), shall not be refuted by evidence of compliance pursuant to the other method.~~
- (e) Upon written notification to IDEM by the Permittee, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5 may be used as the means for determining compliance with the emission limitations in 326 IAC 7. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. ~~[326 IAC 7-2-1(g)]~~

Appeal Resolution Item #10

Original Conditions D.1.11 has been revised to remove the requirement to meet a minimum voltage in the transformer-rectifier sets. The applicant is now required to maintain 90% availability of the T-R sets. Revisions to Condition D.1.11 are shown below:

D.1.140 Electrostatic Precipitator Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The ability of the ESP's to control particulate emissions shall be monitored once per day, when the Unit's are in operation, by measuring and recording the primary and secondary voltages and the currents of the transformer-rectifier (T-R) sets.
- (b) ~~When for any one reading, operation is outside one of the normal ranges shown below, or ranges established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A voltage or current reading outside the normal ranges 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.~~

(1)	Primary Voltage:	260	300 V
(2)	Secondary Voltage:	35	55 kV
(3)	T-R set primary current:	50	75 A

Reasonable response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below 90 percent and when the Unit is deemed to be in its normal or usual manner of operation. T-R set failure resulting in less than 90 percent availability is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

- (c) **The requirements in (a) and (b) above do not apply to Unit 7 when exhausting through the scrubbed stack.**

Appeal Resolution Item #11

Original Condition D.1.12 has been revised to correct the emission unit identification numbers. Also, the opacity limit no longer applies during periods of startup or shutdown. Revisions to Original Condition D.1.12 are shown below:

D.1.112 Opacity Readings [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) ~~In the event opacity exceeds twenty five percent (25%) for three (3) consecutive six (6) minute averaging periods for Unit 50 or Unit 60,~~ **Beginning April 1, 2007 and thereafter, except during periods of startup and shutdown, appropriate response steps shall be taken whenever opacity exceeds twenty-five percent (25%) for three (3) consecutive six (6) minute averaging periods for Unit 5 or Unit 6.** ~~Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below twenty five percent (25%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service.~~
- (b) ~~In the event opacity exceeds twenty percent (20%) for three (3) consecutive six (6) minute averaging periods for Unit 70,~~ **Beginning April 1, 2007 and thereafter, except during periods of startup and shutdown, appropriate response steps will be taken whenever opacity exceeds twenty percent (20%) for three (3) consecutive six (6) minute averaging periods for Unit 7 Bypass Stack.** ~~Appropriate response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below~~

twenty percent (20%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service.

- (c) Opacity readings in excess of **the levels set forth in subparagraphs (a) and (b) of this Condition** ~~twenty five percent (25%) for Unit 50 or Unit 60 but not exceeding the opacity limit for the Unit specified~~ are not a deviation from this permit. ~~Opacity readings in excess of twenty percent (20%) for Unit 70 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.

...

Appeal Resolution Item #12

Original Conditions D.1.13 and D.2.14 have been revised to require visible emission notations when the boiler is burning fuel oil and has been in operation for a minimum of two daylight hours. Revisions to Conditions D.1.13 and D.2.14 are shown below:

D.1.123 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission (VE) notations of Unit ~~93~~ and/or Unit ~~404~~ stack exhaust(s) shall be performed once per day during normal daylight operations **when the given unit is operating for more than two (2) continuous daylight hours and** ~~while~~ combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) If abnormal emissions are observed at Unit ~~93~~ and/or Unit ~~404~~ exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

...

D.2.134 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission (VE) notations of Unit GT4 and/or Unit GT5 stack exhaust(s) shall be performed once per day during normal daylight operations **when the given unit is operating for more than two (2) continuous daylight hours and** ~~while~~ combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

...

Appeal Resolution Item #13

Original Condition D.1.14 was revised to allow additional options for compliance during period of CEM downtime for SO₂ monitoring. Revisions to original Condition D.1.14 are shown below:

D.1.134 SO₂ Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)]

- (a) Whenever the SO₂ continuous emission monitoring system (CEMS) **on Units 5 or 6** is malfunctioning or down for repairs or adjustments **and a backup CEM is not brought on-line**, the following shall be used to provide information related to SO₂ emissions:
- (~~a~~) (1) If the CEMS is down for less than twenty-four (24) hours **and a backup CEM is not brought on-line**, the Permittee shall substitute an average of the quality assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.

- (b) (2) If the CEMS is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified in 326 IAC 3-7-2(b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d) and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring. **If the CEM system is down for twenty-four (24) hours or more and a backup CEM is not brought on-line, the Permittee shall either:**
- (A) **Conduct fuel sampling as specified in 326 IAC 3-7-2(b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative of either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emission monitoring, or**
- (B) **Comply with the relevant requirements of 40 CFR Part 75 Subpart D - Missing Data Substitution Procedures.**
- (b) **Whenever the SO₂ continuous emissions monitoring system (CEMS) on Unit 7 is malfunctioning or down for repairs or adjustment and a backup CEMS is not brought on-line, the following shall be used to provide information related to SO₂ emissions:**
- (1) **If the CEMS is down for less than twenty-four (24) hours and a back-up CEMS is not brought on-line, the Permittee shall substitute an average of the quality assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.**
- (2) **Whenever the SO₂ continuous emission monitoring system (CEMS) is malfunctioning or down for repairs or adjustment for twenty-four (24) hours or more, and a back-up CEMS cannot be brought on on-line, the Permittee shall comply with the requirements of 40 CFR 75 Subpart D.**

Appeal Resolution Item #14

Original Condition D.2.11 and Condition D.3.6 have been revised to indicate a custom schedule for monitoring sulfur content was submitted and approved US EPA. Revisions to original Conditions D.2.11 and D.3.6 are shown below

D.2.104 Sulfur and Nitrogen Content [326 IAC 12] [40 CFR 60.334]

- ~~(a)~~ Pursuant to 40 CFR 60.334(b), the Permittee shall monitor the daily sulfur content and the nitrogen content of the fuel being fired in Unit GT4 and Unit GT5 in accordance with **the EPA custom schedule approved on October 26, 2000**~~40 CFR 60.335.~~
- ~~(b)~~ Alternatively, the Permittee may develop custom schedules for monitoring the sulfur and nitrogen content of fuel(s) fired in Unit GT4 and Unit GT5 based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall be substantiated with data and must be approved by the USEPA before they can be used to comply with 40 CFR 60.334(b).

D.3.56 Sulfur and Nitrogen Content [326 IAC 12] [40 CFR 60.334]

- (a) Pursuant to 40 CFR 60.334(b), the Permittee shall monitor the daily sulfur content and the nitrogen content of the fuel being fired in Unit GT6 in accordance with **the EPA custom schedule approved on June 16, 2004** 40 CFR 60.335.
- (b) ~~Alternatively, the Permittee may develop custom schedules for monitoring the sulfur and nitrogen content of fuel(s) fired in Unit GT6 based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall be substantiated with data and must be approved by the USEPA before they can be used to comply with 40 CFR 60.334(b).~~

Appeal Resolution Item #15

The PSD minor limit was revised to remove unnecessary limitations on PM, PM10, CO and natural gas throughput. In addition, the associated testing requirements in Condition D.3.7 have been deleted. Remaining conditions have been renumbered to reflect the removal of original Condition D.3.7. Revisions associated with this appeal resolution item are shown below:

D.3.3 PSD Minor Limit [326 IAC 2-2] [Minor Permit Modification 097-14666-00033]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration Requirements) not applicable to Unit GT6 and pursuant to Operation Condition number 9 of the Minor Permit Modification 097-14666-00033 issued on November 9, 2001:

- (a) Nitrogen Oxides (NO_x) emissions are limited to less than forty (40) tons per twelve (12) consecutive month period with compliance demonstrated at the end of each month such that 326 IAC 2-2 will not apply. Compliance with the Nitrogen Oxides (NO_x) emissions limitation shall be demonstrated by installing and operating a continuous emission monitor for NO_x emissions from Unit GT6 in accordance with 326 IAC 3-5.
- (b) ~~Particulate (PM) emissions (filterable and condensible combined) shall be limited to 6.28 pounds per million cubic feet of natural gas burned such that 326 IAC will not apply.~~
- (c) ~~PM10 emissions (filterable and condensible combined) shall be limited to 6.28 pounds per million cubic feet of natural gas burned such that 326 IAC will not apply.~~
- (d) ~~Carbon Monoxide (CO) emissions shall be limited to 14.3 pounds per million cubic feet of natural gas burned such that 326 IAC 2-2 will not apply.~~
- (e) ~~The input of natural gas to Unit GT6 shall be less than 4772 million cubic feet per twelve (12) consecutive month period with compliance determined at the end of each month.~~

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

~~Within twenty four (24) months after the effective date of this Part 70 Operating Permit, in order to demonstrate compliance with Condition D.3.3, the Permittee shall perform PM, PM-10 and CO testing using methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.~~

Appeal Resolution Item #16

Original Condition D.2.16 has been revised to remove the requirements associated with the natural gas fired boiler certification for the gas turbines; because, they are not boilers. Revisions as result of this change are shown below:

D.2.156 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Conditions D.2.4 and D.2.112 shall be submitted to the address(es) 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) ~~The natural gas fired facility certification 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 six (6) month period being reported. The natural gas fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- ~~(c) —~~Periods of excess emissions shall be reported in accordance with the requirements of 40 CFR 60.334(c).

Appeal Resolution Item #17

Original Condition D.3.9 has been revised to allow fuel usage for record keeping purposes to be calculated. Revisions are shown below:

D.3.79 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.2, D.3.3, ~~D.3.4~~, D.3.45, D.3.56 and D.3.68, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Conditions D.3.2, ~~and D.3.3, D.3.4, D.3.5, D.3.6 and D.3.8.~~
 - (1) Data and results from the most recent stack test;
 - (2) All fuel nitrogen content and sulfur content monitoring data;
 - (3) All NO_x continuous emission monitoring data;
 - (4) **Calculated** Aactual fuel usage since last compliance determination period.

...

Appeal Resolution Item #18

Original Condition D.3.10 has been revised to correct a condition reference and to remove the requirements associated with the natural gas fired boiler certification for the gas turbines; because, they are not boilers. Revisions are shown below:

D.3.108 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.3.3(a) shall be submitted to the address(es) 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) ~~The natural gas fired facility certification 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 six (6) month period being reported. The natural gas fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- ~~(c) —~~Periods of excess emissions shall be reported in accordance with the requirements of 40 CFR 60.334(c).

Appeal Resolution Item #19

Original Condition D.4.1 to clarify the compliance options for 326 IAC 6.5 for Unit ST14. This unit can show compliance with a visible emission notation when a direct measurement is not made. Revisions are shown below:

D.4.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Unit ST14 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.
- (b) **Absent a direct measurement of emissions, compliance is assumed for ST14 provided visible emissions from ST14-1 are normal.**

Appeal Resolution Item #20

Original Condition D.4.3 has been revised to indicate visible emission notations are only required when the emission units are in operation and exhausting to the atmosphere. Visible emission notations are not required when the units exhaust indoors. Revisions are shown below:

D.4.23 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission notations of Stack/Vent ID ST14-1 exhaust shall be performed once per day during normal daylight operations **when operating and exhausting to the atmosphere**. A trained employee shall record whether emissions are normal or abnormal.

...

Appeal Resolution Item #21

Original Section D.5 has been removed and replaced. The emission unit descriptions have been revised to reflect those listed in Sections A.2 and A.3. Applicable requirements have been added to reflect the corrected emission unit descriptions. The sections removed and replaced are shown below:

~~SECTION D.5 FACILITY CONDITIONS~~

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

~~(m) Outside coal storage and handling identified as Unit ID ST37 and ST39. Includes railcar and truck receiving of coal, conveying of coal in enclosed conveyors to coal crusher houses and outside storage of coal. Annual rated storage and throughput of coal estimated to be 7.5 million tons per year. Paved and unpaved plant roads are identified as Unit ST41. Installation date of 1958.~~

~~Insignificant Activities:~~

~~Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6.5-1-2(a)]
Coal pile wind erosion. Coal drop points. Coal crushing. [326 IAC 6.5-1-2(a)]
Paved and unpaved roads with public access. [326 IAC 6-4]~~

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

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

~~D.5.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]~~

~~Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from coal bunker and coal scale exhausts and coal crushing each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.~~

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

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Unit ST37 and Unit ST39 and coal bunker and coal scale exhausts.~~

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

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

- ~~(a) Visible emission notations of coal bunker and coal scale exhausts and of the coal unloading station doorways shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.~~
- ~~(b) 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 a deviation from this permit.~~
- ~~(c) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation.~~
- ~~(d) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- ~~(e) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~

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

~~D.5.4 Record Keeping Requirements~~

- ~~(a) To document compliance with Section C - Opacity and Condition D.5.3, the Permittee shall maintain records of the visible emission notations of coal bunker and coal scale exhausts and visible emission notations of the coal unloading station doorways once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).~~
- ~~(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

SECTION D.5 FACILITY CONDITIONS

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

- (m) Coal material handling and storage system with a maximum annual capacity of 7.5 million tons per year and described as follows:**
 - (1) One (1) crusher house, consisting of the following equipment:**
 - (i) Two (2) crushers constructed in 1958;**
 - (ii) One (1) self cleaning static grizzly constructed in 1996; and**
 - (iii) One (1) self cleaning static grizzly constructed in 2006.**

- (2) One (1) covered conveyor system, constructed in 1931, consisting of the following equipment:

 - (i) No. 2 conveyor which transfers coal from the railcar receiving area to the crusher house;
 - (ii) No. 3 conveyor transfers coal from the crusher to No. 4 conveyor;
 - (iii) No. 4 conveyor transfers coal from the crusher to the cross-over conveyor;
 - (iv) Cross-over conveyor transfers coal from No. 4 conveyor to No. 5 conveyor or to conveyor 705 (which then transfers to conveyor 703 and to Unit 7); and
 - (v) No. 5 conveyor transfers coal from the cross-over conveyor to Unit 5 or Unit 6.

- (3) One (1) covered conveyor system, constructed in 1958 and consisting of the following equipment:

 - (i) Conveyors identified as 600A, 600B, 601, 602, 605, and 606. 600A and 600B conveyor transfers coal from the railcar receiving area to 601 and 602 conveyors which transfer coal to the crusher house; and
 - (ii) 605 conveyor transfers coal to 606 or 703 conveyors. 605 and 606 conveyors are located inside the building and transfer coal to five (5) conveyors which transfer coal to Unit 5's and Unit 6's coal bunkers.

- (4) One (1) covered conveyor system which became commercial in 1973 and consists of the following equipment:

 - (i) Conveyors identified as 701 and 702 transfer coal to either the crusher house or the low sulfur coal pile; and
 - (ii) Conveyors identified as 703 and 704 are the conveyors which transfer coal from 601, 602, and 605 conveyors to Unit 7's coal bunkers.

- (5) One (1) covered conveyor system, constructed in 2006 and consisting of the following equipment:

 - (i) Conveyors identified as 801 and 802 transfer coal to the outside high sulfur coal storage pile.

- (6) One (1) covered conveyor system, constructed in 2006 and consists of the following equipment subject to 40 CFR Part 60, Subpart Y;

 - (i) Conveyors identified as 803 and 804 transfer coal from the high sulfur storage pile to the crusher house.

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

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

D.5.1 General Provisions Relating to NSPS [40 CFR Part 60, Subpart A][326 IAC 12-1]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the two (2) covered coal conveyors, identified as 803 and 804, as described in this section except when otherwise specified in 40 CFR Part 60, Subpart Y.

- (b) Pursuant to 40 CFR 60.4 and 40 CFR 60.7, the Permittee shall submit all required notifications and reports to:

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

And

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

**D.5.2 Standards of Performance for Coal Preparation Plants [40 CFR 60.250, Subpart Y]
[326 IAC 12]**

Pursuant to 40 CFR 60.250, Subpart Y (Standards of Performance for Coal Preparation Plants), incorporated by reference in 326 IAC 12, the two (2) covered coal conveyors, identified as 803 and 804, shall each comply with the following:

§ 60.250 Applicability and designation of affected facility.

- (a) The provisions of this subpart are applicable to any of the following affected facilities in coal preparation plants which process more than 181 Mg (200 tons) per day: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, and coal transfer and loading systems.
- (b) Any facility under paragraph (a) of this section that commences construction or modification after October 24, 1974, is subject to the requirements of this subpart.

[42 FR 37938, July 25, 1977; 42 FR 44812, Sept. 7, 1977, as amended at 65 FR 61757, Oct. 17, 2000]

§ 60.251 Definitions.

As used in this subpart, all terms not defined herein have the meaning given them in the Act and in subpart A of this part.

- (a) Coal preparation plant means any facility (excluding underground mining operations) which prepares coal by one or more of the following processes: breaking, crushing, screening, wet or dry cleaning, and thermal drying.
- (b) Bituminous coal means solid fossil fuel classified as bituminous coal by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).
- (c) Coal means all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).
- (d) Cyclonic flow means a spiraling movement of exhaust gases within a duct or stack.
- (e) Thermal dryer means any facility in which the moisture content of bituminous coal is reduced by contact with a heated gas stream which is exhausted to the atmosphere.
- (f) Pneumatic coal-cleaning equipment means any facility which classifies bituminous coal by size or separates bituminous coal from refuse by application of air stream(s).

- (g) **Coal processing and conveying equipment means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, breakers, crushers, screens, and conveyor belts.**
- (h) **Coal storage system means any facility used to store coal except for open storage piles.**
- (i) **Transfer and loading system means any facility used to transfer and load coal for shipment.**

[41 FR 2234, Jan. 15, 1976, as amended at 48 FR 3738, Jan. 27, 1983; 65 FR 61757, Oct. 17, 2000]

§ 60.252 Standards for particulate matter.

- (c) **On and after the date on which the performance test required to be conducted by §60.8 is completed, an owner or operator subject to the provisions of this subpart shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.**

[41 FR 2234, Jan. 15, 1976, as amended at 65 FR 61757, Oct. 17, 2000]

§ 60.254 Test methods and procedures.

- (b) **The owner or operator shall determine compliance with the particular matter standards in § 60.252 as follows:**
 - (2) **Method 9 and the procedures in §60.11 shall be used to determine opacity.**

[54 FR 6671, Feb. 14, 1989]

Appeal Resolution Item #22

The facility description box for Section D.6 has been revised to remove emission units without applicable rules and to add gasoline generators not exceeding 110 HP which have applicable rules. Finally, the lettering system was revised to match Section A.3. Revisions are shown below:

SECTION D.6 FACILITY OPERATION CONDITIONS

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

Insignificant Activities

- (a) **Fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight. [326 IAC 6.5-1-2(a)]**
- (c) **Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2(a)]**
- (af) **Two (2) flyash silos identified as Unit 50/60 Flyash Silo and Unit 70 Flyash Silo for truck loading. Each silo is exhausted to a baghouse. [326 IAC 6.5-1-2(a)]**
- ~~(b) Vents from ash transport systems not operated at positive pressure. [326 IAC 6.5-1-2(a)]~~
- ~~(c) Conveying ash by slurry to retention ponds. [326 IAC 6.5-1-2(a)]~~
- (dg) **Bottom ash and flyash retention ponds. [326 IAC 6.5-1-2(a)]**

- ~~(e) Fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five tenths (0.5) percent sulfur by weight. [326 IAC 6.5-1-2(a)]~~
- ~~(f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.5-1-2(a)]~~
- (gj) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 (Trichloroethylene degreaser, D-1, with a maximum throughput to 120 gallons per 12 months). [326 IAC 8-3-2] [326 IAC 8-3-5]
- (hk) One (1) 81 horsepower diesel fired emergency generator identified as Emission Unit ID Generator # 1 associated with a communication transmitter tower located at 4190 S. Harding Street, Indianapolis, Indiana, 46217. [326 IAC 6.5-1-2(a)]

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

Appeal Resolution Item #23

Original Condition D.6.1 was revised to correct the emission units subject to 326 IAC 6.5. Revisions are shown below:

D.6.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Unit 50/60 Flyash Silo, Unit 70 Flyash Silo, ~~vents from ash transport systems, conveying ash by slurry to retention ponds, bottom ash and flyash retention ponds,~~ fuel oil fired combustion sources with heat input equal to or less than two (2) million Btu per hour, **gasoline generators**, ~~brazing equipment, cutting torches, soldering equipment, welding equipment~~ and Emission Unit ID Generator # 1 shall each not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

Appeal Resolution Item #24

The facility description box in Section D.7 has been revised to correct the emission unit descriptions. In addition, two emissions were added to list of affected facilities. Revisions to the facility description box are shown below:

SECTION D.7

FACILITY OPERATION CONDITIONS

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

- (n) Limestone transfer from truck(s) ~~and loader(s)~~ **vehicles** to the conveyor system, identified as T-1, with a maximum capacity to transfer 230,000 tons of limestone per year and using no control. Approved for construction in 2006.
- (o) Five (5) covered limestone conveyors, identified as T-2, with a maximum capacity to convey 230,000 tons of limestone per year and using no control. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, T-2 is considered an affected facility.
- (p) Two (2) 630 ton capacity limestone storage silos, identified as L7-1 and L7-2, using bin vents LC7-1 and LC7-2 as control, and exhausting to stack/vent LSV7-1 and LSV7-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, ~~T-2, L7-1 and L7-2~~ are each considered an affected facility.
- (q) Two (2) weigh feeders which transfer limestone from the silos to the two (2) enclosed wet ball mills

(grinding mills) for grinding limestone, identified as BM7-1 and BM7-2. The ~~wet~~-ball mills (grinding mills) are located in a covered building. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, T-2, L-1, L-2, BM7-1 and BM7-2 are each considered an affected facility.

- (r) Gypsum transfer, identified as T-3, with a maximum capacity to transfer 414,000 tons of gypsum per year and using no control. ~~Gypsum transfer includes two (2) storage piles inside the gypsum storage building and one (1) outdoor emergency storage pile. Constructed in 2007.~~ **Approved for construction in 2006.**
- (s) Six (6) covered gypsum conveyors, identified as T-4, with a maximum capacity to convey 414,000 tons of gypsum and using no control. ~~Constructed in 2007. Under 40 CFR 60.670, Subpart OOO, T-4 is considered an affected facility.~~ **Approved for construction in 2006.**
- (t) ~~Coal transfer to an outdoor storage pile, identified as T-5, with a maximum capacity to transfer 2,500,000 tons of coal per year and using no control. Approved for construction in 2006.~~
- (u) ~~Five (5) covered coal conveyors, identified as T-6, with a maximum capacity to convey 2,500,000 tons of coal per year and using no control. Approved for construction in 2006. Under 40 CFR 60.250, Subpart Y, T-6 is considered an affected facility.~~

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

Appeal Resolution Item #25

Original Condition D.7.1 has been revised to correct the emission units subject to 326 IAC 6.5-1-2(a) and to provide additional methods to show compliance. Revisions are shown below:

D.7.1 Particulate Matter (PM) [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the two (2) limestone storage silos, identified as L7-1 and L7-2, ~~the five (5) covered limestone conveyors, identified as T-2, the two (2) weigh feeders, identified as BM-1 and BM-2, and the six (6) covered gypsum conveyors, identified as T-4,~~ shall each be limited to three hundredths (0.03) grain per dry standard cubic foot of exhaust air.
- (b) **Absent a direct measurement of emissions, compliance is assumed for L7-1 and L7-2 provided visible emissions from LSV7-1 and LSV7-2 are normal.**

Appeal Resolution Item #26

Original Condition D.7.5 has been revised to change the frequency of VE notations for the storage silo vents. IDEM has determined weekly VE emissions are adequate for these emission units. In addition, original Condition D.7.5(b) has been revised to clarify the requirements for VE notations is required for unenclosed transfer points only. Revisions are shown below:

D.7.45 Visible Emissions Notations

- (a) Visible emission notations of the limestone storage silo stack/vent LSV7-1 and LSV7-2 exhausts shall be performed once per ~~day~~ **week** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) Visible emission notations of the **unenclosed** transfer points for the five (5) covered limestone conveyors, identified as T-2 and of the **unenclosed** transfer points for six (6) covered gypsum conveyors, identified as T-4 shall be performed once per week during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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Appeal Resolution Item #27

Original Condition D.7.5 has been revised to correct the emission unit identification numbers and normal operating range for the pressure drop. Additionally, IDEM has determined a weekly recording is adequate for this unit. Revisions to original condition D.7.6 are shown below:

D.7.56 Parametric Monitoring

The Permittee shall record the pressure drop across LC7-1 and LC7-2, at least once per ~~day~~ **week**. When for any one reading, the pressure drop is outside the normal range of ~~3-0~~ **0.5** and ~~6-05.0~~ inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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Appeal Resolution Item #28

Original Condition D.7.8 has been revised to match the monitoring frequency referenced above. Also, the emission unit identification numbers and descriptions have been corrected. Revisions are shown below:

D.7.78 Record Keeping Requirements

- (a) To document compliance with Condition D.7.45, the Permittee shall maintain the following:
- (1) Records of ~~daily~~ **weekly** visible emission notations of the limestone storage silo stack/vent LSV7-1 and LSV7-2 exhausts. The Permittee shall include in its ~~daily~~ **weekly** record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
 - (2) Records of weekly visible emission notations of the **unenclosed** transfer points for the five (5) covered limestone conveyors, identified as T-2, and of the transfer points for the six (6) covered gypsum conveyors, identified as T-4. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.7.56, the Permittee shall maintain:
- ~~Daily~~ **Weekly** records of the pressure drop across LC7-1 and LC7-2. The Permittee shall include in its ~~daily~~ **weekly** record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

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Appeal Resolution Item #29

Original Condition D.7.9 has been revised to correct emission unit identification numbers and to remove the six (6) covered gypsum conveyors as affected units. Revisions are shown below:

D.7.89 General Provisions Relating to NSPS [40 CFR Part 60, Subpart A][326 IAC 12-1]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the five (5) covered limestone conveyors, identified as T-2, the two (2) limestone storage silos, identified as L7-1 and L7-2, **and** the two (2) enclosed wet ball mills (grinding mills), identified as BM7-1 and BM7-2, ~~and the six (6) covered gypsum conveyors, identified as T-4,~~ as described in this section except when otherwise specified in 40 CFR Part 60, Subpart OOO.
- (b) Pursuant to 40 **CFR 60.4 and 40** CFR 60.7, the Permittee shall submit all required notifications and reports to:

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

And

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

Appeal Resolution Item #30

Original Condition D.7.10 has been revised to replace the text of Subpart OOO with references to the applicable sections. Revisions are shown below:

D.7.940 New Source Performance Standards for Nonmetallic Mineral Processing Plants [40 CFR 60.670, Subpart OOO][326 IAC 12]

Pursuant to 40 CFR 60.670, Subpart OOO (New Source Performance Standards for Nonmetallic Mineral Processing Plants), the five (5) covered limestone conveyors, identified as T-2, the two (2) limestone storage silos, identified as L7-1 and L7-2, **and** the two (2) enclosed wet ball mills (grinding mills), identified as BM7-1 and BM7-2, ~~and the six (6) covered gypsum conveyors, identified as T-4,~~ shall each comply with the following **40 CFR §§ 60.670, 671, 672, 673, 675 and 676 as incorporated by reference in 326 IAC 12-1.**

~~§ 60.670 Applicability and designation of affected facility.~~

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

~~(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; and stand-alone screening operations at plants without crushers or grinding mills.~~

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

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

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

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

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

~~(d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing facility, the new facility is exempt from the provisions of §§60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section.~~

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

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

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

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

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997]

§ 60.671 Definitions.

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

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

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

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

~~*Building* means any frame structure with a roof.~~

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

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

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

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

~~*Crusher* means a machine used to crush any nonmetallic minerals, and includes, but is not limited to, the~~

following types: jaw, gyratory, cone, roll, rod mill, hammermill, and impactor.

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

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

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

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

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

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

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

(b) Sand and Gravel.

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

(d) Rock Salt.

(e) Gypsum.

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

(g) Pumice.

(h) Gilsonite.

(i) Talc and Pyrophyllite.

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

(k) Barite.

(l) Fluorospar.

(m) Feldspar.

(n) Diatomite.

(o) Perlite.

(p) Vermiculite.

(q) Mica.

(f) ~~Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.~~

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

~~*Portable plant* means any nonmetallic mineral processing plant that is mounted on any chassis or skids and may be moved by the application of a lifting or pulling force. In addition, there shall be no cable, chain, turnbuckle, bolt or other means (except electrical connections) by which any piece of equipment is attached or clamped to any anchor, slab, or structure, including bedrock that must be removed prior to the application of a lifting or pulling force for the purpose of transporting the unit.~~

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

~~*Screening operation* means a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series, and retaining oversize material on the mesh surfaces (screens).~~

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

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

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

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

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

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

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

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

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997]

§ 60.672 Standard for particulate matter.

(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which:

(1) Contain particulate matter in excess of 0.05 g/dscm (0.022 gr/dscf); and

(2) Exhibit greater than 7 percent opacity, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device.

(b) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of this section.

(c) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

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

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

(1) No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in §60.671.

(2) No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in paragraph (a) of this section.

(f) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any baghouse that controls emissions from only an individual, enclosed storage bin, stack emissions which exhibit greater than 7 percent opacity.

(g) Owners or operators of multiple storage bins with combined stack emissions shall comply with the emission limits in paragraph (a)(1) and (a)(2) of this section.

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997; 65 FR 61778, Oct. 17, 2000]

§ 60.673 Reconstruction.

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

(b) Under §60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in paragraph (a) of this section) which are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 31, 1983.

§ 60.675 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference

~~methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.~~

~~(b) The owner or operator shall determine compliance with the particulate matter standards in §60.672(a) as follows:~~

~~(1) Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.~~

~~(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.~~

~~(c)(1) In determining compliance with the particulate matter standards in §60.672 (b) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:~~

~~(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).~~

~~(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.~~

~~(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.~~

~~(2) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under §60.672(f) of this subpart, using Method 9, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).~~

~~(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:~~

~~(i) There are no individual readings greater than 10 percent opacity; and~~

~~(ii) There are no more than 3 readings of 10 percent for the 1-hour period.~~

~~(4) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under §60.672(c) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:~~

~~(i) There are no individual readings greater than 15 percent opacity; and~~

~~(ii) There are no more than 3 readings of 15 percent for the 1-hour period.~~

~~(d) In determining compliance with §60.672(e), the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes.~~

~~(e) The owner or operator may use the following as alternatives to the reference methods and procedures~~

specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

[54 FR 6680, Feb. 14, 1989, as amended at 62 FR 31360, June 9, 1997]

§ 60.676 Reporting and recordkeeping.

(a) Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with §60.672(e).

(h) The subpart A requirement under §60.7(a)(2) for notification of the anticipated date of initial startup of an affected facility shall be waived for owners or operators of affected facilities regulated under this subpart.

(i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

(j) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be

relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

[51 FR 31337, Aug. 1, 1985, as amended at 54 FR 6680, Feb. 14, 1989; 62 FR 31360, June 9, 1997; 65 FR 61778, Oct. 17, 2000]

Appeal Resolution Item #31

Original Section D.8 has been removed in its entirety. Units T-5 and T-6 have been removed from Section A.3 and this section is no longer required. The section removed is shown below:

SECTION D.8 ——— EMISSIONS UNIT OPERATION CONDITIONS

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

(t) ——— Coal transfer to an outdoor storage pile, identified as T-5, with a maximum capacity to transfer 2,500,000 tons of coal per year and using no control. Approved for construction in 2006.

(u) ——— Five (5) covered coal conveyors, identified as T-6, with a maximum capacity to convey 2,500,000 tons of coal per year and using no control. Approved for construction in 2006. Under 40 CFR 60.250, Subpart Y, T-6 is considered an affected facility.

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

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

D.8.1 — Particulate Matter (PM) [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the five (5) covered coal conveyors, identified as T-6, shall each be limited to three hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.8.2 — Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section C — Preventive Maintenance Plan, of this permit, is required for emission unit T-5 and T-6 and any control device.

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

D.8.3 — Visible Emissions Notations

(a) ——— Visible emission notations of the transfer points for each of the five (5) covered coal conveyors identified as T-6 shall be performed once per week during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) ——— If abnormal emissions are observed or if visible emissions are observed crossing the

property, right of way, or easement on which the source is located, the Permittee shall take reasonable response steps in accordance with Section C—Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C—Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

~~D.8.4—Record Keeping Requirements~~

- ~~(a) To document compliance with Condition D.8.3, the Permittee shall maintain records of weekly visible emission notations of the transfer points for each of the five (5) covered coal conveyors identified as T-6. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).~~
- ~~(b) All records shall be maintained in accordance with Section C—General Record Keeping Requirements, of this permit.~~

New Source Performance Standards (NSPS) Requirements ~~[326 IAC 2-7-5(1)]~~

~~D.8.5—General Provisions Relating to NSPS [40 CFR Part 60, Subpart A][326 IAC 12-1]~~

- ~~(a) The provisions of 40 CFR Part 60, Subpart A—General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the five (5) covered coal conveyors, identified as T-6, as described in this section except when otherwise specified in 40 CFR Part 60, Subpart Y.~~
- ~~(b) Pursuant to 40 CFR 60.7, the Permittee shall submit all required notifications and reports to:~~

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

~~D.8.6—Standards of Performance for Coal Preparation Plants [40 CFR 60.250, Subpart Y][326 IAC 12]~~

~~Pursuant to 40 CFR 60.250, Subpart Y (Standards of Performance for Coal Preparation Plants), the five (5) covered coal conveyors, identified as T-6, shall each comply with the following:~~

~~§ 60.250 Applicability and designation of affected facility.~~

~~(a) The provisions of this subpart are applicable to any of the following affected facilities in coal preparation plants which process more than 181 Mg (200 tons) per day: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, and coal transfer and loading systems.~~

~~(b) Any facility under paragraph (a) of this section that commences construction or modification after October 24, 1974, is subject to the requirements of this subpart.~~

~~[42 FR 37938, July 25, 1977; 42 FR 44812, Sept. 7, 1977, as amended at 65 FR 61757, Oct. 17, 2000]~~

~~§ 60.251 Definitions.~~

~~As used in this subpart, all terms not defined herein have the meaning given them in the Act and in subpart A of this part.~~

~~(a) Coal preparation plant means any facility (excluding underground mining operations) which prepares coal~~

by one or more of the following processes: breaking, crushing, screening, wet or dry cleaning, and thermal drying.

~~(b) *Bituminous coal* means solid fossil fuel classified as bituminous coal by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).~~

~~(c) *Coal* means all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM Designation D388-77, 90, 91, 95, or 98a (incorporated by reference—see §60.17).~~

~~(d) *Cyclonic flow* means a spiraling movement of exhaust gases within a duct or stack.~~

~~(e) *Thermal dryer* means any facility in which the moisture content of bituminous coal is reduced by contact with a heated gas stream which is exhausted to the atmosphere.~~

~~(f) *Pneumatic coal cleaning equipment* means any facility which classifies bituminous coal by size or separates bituminous coal from refuse by application of air stream(s).~~

~~(g) *Coal processing and conveying equipment* means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, breakers, crushers, screens, and conveyor belts.~~

~~(h) *Coal storage system* means any facility used to store coal except for open storage piles.~~

~~(i) *Transfer and loading system* means any facility used to transfer and load coal for shipment.~~

[41 FR 2234, Jan. 15, 1976, as amended at 48 FR 3738, Jan. 27, 1983; 65 FR 61757, Oct. 17, 2000]

~~§ 60.252 Standards for particulate matter.~~

~~(c) On and after the date on which the performance test required to be conducted by §60.8 is completed, an owner or operator subject to the provisions of this subpart shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.~~

[41 FR 2234, Jan. 15, 1976, as amended at 65 FR 61757, Oct. 17, 2000]

~~§ 60.254 Test methods and procedures.~~

~~(b) The owner or operator shall determine compliance with the particulate matter standards in § 60.252 as follows:~~

~~(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.~~

[54 FR 6671, Feb. 14, 1989]

Appeal Resolution Item #32

The Semi-Annual Natural Gas Fired Facility Certification reporting form for turbines has been deleted from the permit. This form applies to boilers and is no longer needed. Also, the quarterly reporting form for Unit GT6 has been removed because the throughput limit was removed and the form is no longer required. The headers of the two forms removed are shown below:

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

INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE

~~PART 70 OPERATING PERMIT~~
~~SEMI-ANNUAL NATURAL GAS FIRED FACILITY CERTIFICATION~~

~~(Applicable for boilers or turbines 10 MMBtu/hr or larger, without a COM
use this form for all natural gas and gas/oil units)~~

Source Name: _____ Indianapolis Power & Light Company — Harding Street Generating Station
Source Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 and
_____ 4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 _____
Part 70 Permit No.: _____ T097-6566-00033

Natural Gas Only
 Alternate Fuel burned
From: _____ To: _____

~~INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT~~
~~OFFICE OF AIR QUALITY~~
~~COMPLIANCE AND ENFORCEMENT BRANCH~~
~~Part 70 Usage Report~~
~~(submit report quarterly)~~

Source Name: _____ Indianapolis Power & Light Company — Harding Street Generating Station
Source Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 and
_____ 4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 _____
Part 70 Permit No.: _____ T097-6566-00033
Facility: _____ Unit GT6
Parameter: _____ Natural Gas Usage
Limit: _____ 4772 million cubic feet per twelve (12) consecutive month period with compliance
determined at the end of each month.

Appeal Resolution Item #33

The reporting forms for distillate oil consumption in Units 3, 4, GT1, GT2 and GT3 have been removed from the permit. There are no corresponding permit conditions requiring the use of these forms. The headers of the reporting forms removed are shown below:

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

~~Part 70 Usage Report~~
~~(submit report quarterly)~~

Source Name: _____ Indianapolis Power & Light Company — Harding Street Generating Station
Source Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 and
_____ 4190 South Harding Street, Indianapolis, IN 46217
Mailing Address: _____ 3700 South Harding Street, Indianapolis, IN 46217 _____
Part 70 Permit No.: _____ T097-6566-00033
Facility: _____ Unit 3 and Unit 4

Parameter: ~~Distillate Oil Consumption~~
 Limit: ~~1900 kgals for Unit 3 and 2200 kgals for Unit 4 per twelve consecutive month period with compliance determined at the end of each month~~

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

**Part 70 Usage Report
 (submit report quarterly)**

Source Name: ~~Indianapolis Power & Light Company - Harding Street Generating Station~~
 Source Address: ~~3700 South Harding Street, Indianapolis, IN 46217 and
 4190 South Harding Street, Indianapolis, IN 46217~~
 Mailing Address: ~~3700 South Harding Street, Indianapolis, IN 46217~~
 Part 70 Permit No.: ~~T097-6566-00033~~
 Facility: ~~Unit GT1, GT2 and GT3~~
 Parameter: ~~Distillate Oil Consumption~~
 Limit: ~~333,333 gallons per Unit per twelve consecutive month period with compliance determined at the end of each month~~

Appeal Resolution Item #34

The reporting form for natural gas equivalents for Units GT4 and GT5 has been revised to add a Natural Gas Certification / Alternate Fuel box. Revisions to the reporting form are shown below:

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

**Part 70 Quarterly Report
 (Submit Report Quarterly)**

Source Name: Indianapolis Power & Light Company – Harding Street Generating Station
 Source Address: 3700 South Harding Street, Indianapolis, IN 46217 and
 4190 South Harding Street, Indianapolis, IN 46217
 Mailing Address: 3700 South Harding Street, Indianapolis, IN 46217
 Part 70 Permit No.: T097-6566-00033
 Facility: Unit GT4 and Unit GT5
 Parameter: Combined Natural Gas and Natural Gas Equivalent usage
 Limit: 6300 MMCF per twelve (12) consecutive month period with compliance determined at the end of each month. 1.0 gallon of distillate fuel usage is equivalent to 293 cubic feet of Natural Gas usage.

Quarter: _____ Year: _____

	Column 1	Column 2	Column 3
	Total natural gas usage this month (MMCF)	Total natural gas equivalents for distillate fuel oil usage this month (gal x 293 = MMCF)	Twelve consecutive month period combined natural gas and equivalents usage (MMCF)
Month			

Month			
Month			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.

Deviation has been reported on: _____

- Natural Gas Only**
- Alternate Fuel burned**

From: _____ **To:** _____

Conclusion and Recommendation

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 097-26974-00033. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Jennifer Hatfield
Indianapolis Power & Light
3700 S Harding St
Indianapolis, IN 46217

DATE: January 6, 2010

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

SUBJECT: Final Decision
Title V - Significant Permit Modification
097 - 26974 - 00033

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Gregory Daeger, Plant Mgr
Ms. Angelique Oliger IPL
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

January 6, 2010

TO: Indianapolis Central Library Branch

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Indianapolis Power & Light
Permit Number: 097 - 26974 - 00033

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 1/6/2010 Indianapolis Power & Light Company 097 - 26974 - 00033 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Jennifer Hatfield Indianapolis Power & Light Company - Harding Stree 3700 S Harding St Indianapolis IN 46217 (Source CAATS) Via confirmed delivery										
2		Gregory Daeger Plant Mgr Indianapolis Power & Light Company - Harding Stree 3700 S Harding St Indianapolis IN 46217 (RO CAATS)										
3		Mr. Randy Brown Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
4		Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)										
5		Mrs. Sandra Lee Watson 7834 E 100 S Marion IN 46953 (Affected Party)										
6		Indianapolis Central Library Branch 40 East St. Clair Street Indianapolis IN 46204 (Library)										
7		Indianapolis City Council and Mayors Office 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)										
8		Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)										
9		Ms. Janet McCabe Improving Kids Environment 3951 N Meridian Street Suite 160 Indianapolis IN 46208-4062 (Affected Party)										
10		Ms. Angelique Olinger IPL One Monument Circle Indianapolis IN 46204 (Consultant)										
11		Matt Mosier Office of Sustainability 2700 South Belmont Ave. Administration Bldg. Indianapolis IN 46221 (Local Official)										
12												
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