

TO: Interested Parties / Applicant
RE: Indianapolis Power & Light Company – Harding Street Generating Station / SPM097-23699-00033
FROM: Felicia A. Robinson
Administrator



Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within fifteen (15) days of the receipt 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.

Enclosures



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

317-327-2234
Fax 327-2274
TDD 327-5186
indygov.org/dpw



July 25, 2007

CERTIFIED MAIL 7007 0710 0005 3965 7265

Ms. Angie Lee
Environmental Coordinator
Indianapolis Power & Light Company – Harding Street Generating Station
3700 South Harding Street
Indianapolis, Indiana 46217

Re: First Significant Permit Modification (SPM)
097-23699-00033 to Part 70 Operating Permit
T097-6566-00033

Dear Ms. Lee:

Indianapolis Power & Light Company – Harding Street Generating Station (IPL-HSGS) was issued Part 70 Operating Permit No. T097-6566-00033 on June 30, 2006 for a stationary electric utility generating station. A Part 70 Significant Source Modification (SSM) 097-21938-00033 was issued by the City of Indianapolis OES on April 25, 2006 for the construction and operation of limestone, gypsum and coal material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber project. The SSM was not incorporated into the Part 70 Operating Permit upon its issuance. A Significant Permit Modification application was received from IPL-HSGS on August 25, 2006 requesting to incorporate SSM No. 097-21938-00033 into the Part 70 Operating Permit. The application is assigned the tracking number SPM No. 097-23699-00033.

Pursuant to the provisions of 326 IAC 2-7-12(d), the Part 70 Operating Permit is hereby modified as described in the attached Technical Support Document for a Significant Permit Modification to a Part 70 Operating Permit.

The page numbering in the Table of Contents has been updated to reflect the effect of the Modification on the renumbering of pages. All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Mark Caraher at (317) 327-2272 or mcaraher@indygov.org.

Sincerely,

ORIGINAL SIGNED BY

Felicia A. Robinson
Administrator



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

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Enclosure: Revised Permit
Technical Support Document
Notice of Decision

mbc

cc: Files
Permits – Mark Caraher
Compliance - Matt Mosier
U.S. EPA, Region V
Mindy Hahn, IDEM OAQ
Marion County Health Department



PART 70 OPERATING PERMIT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**Indianapolis Power & Light Company – Harding Street 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. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T097-6566-00033	
Original Signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality Felicia A. Robinson Administrator Indianapolis Office of Environmental Services	Effective Date: July 3, 2006 Expiration Date: July 3, 2011
First Significant Permit Modification No.: 097-23699-00033	Conditions Affected: A.1; A.3; B.9; B.10; B.11; B.15; B.17; B.19; B.21; B.23; C.5; C.8; C.10; C.19; C.20; C.21; F.7; D.1.15; D.2.15; D.4.3; D.4.4; D.5.3; D.5.4; D.7; D.8; Certification & Emergency Occurrence Report Forms
Issued by: ORIGINAL SIGNED BY Felicia A. Robinson Administrator Indianapolis Office of Environmental Services	Issuance Date: July 25, 2007 Expiration Date: July 3, 2011



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

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Attachment A: State Rules Adopted by Reference

**Attachment B: Phase II Acid Rain Permit AR097-5106-00033 and Revised Operation Permit No.
AAR 097-10326-00033**

Attachment C: Dust Control 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) and City of Indianapolis Office of Environmental Services (OES). 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 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 and Emission Offset Rules;
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 9. Unit 9 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 10. Unit 10 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.
- (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. 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. 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. 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.
- (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

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) 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.
- (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 L-1 and L-2, using bin vents LC-1 and LC-2 as control, and exhausting to stack/vent LSV-1 and LSV-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L-1 and L-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 BM-1 and BM-2. The ball mill grinding mills are located in a covered building. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, BM-1 and BM-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) Five (5) 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. Under 40 CFR 60.670, Subpart OOO, T-4 is considered an affected facility.
- (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)]
- (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) Paved and unpaved roads with public access. [326 IAC 6-4]
- (g) Coal pile wind erosion. Coal drop points. Coal crushing. [326 IAC 6.5-1-2(a)]
- (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)]
- (k) 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]
- (l) 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 effective 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, and OES, 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]

- (a) 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, OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Appendix A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through May 10, 2003 and published in the Indiana Register on June 1, 2003, unless otherwise indicated in the adoption by reference or in Appendix A. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

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, and OES within a reasonable time, any information that IDEM, OAQ, and OES 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, and OES copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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

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

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES 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, and OES 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 Section),
or:

Telephone Number: 317-233-0178 (ask for IDEM, OAQ, Compliance Section)

Facsimile Number: 317-233-6865;

and

Telephone Number: 317-327-2234 (ask for OES, Air Compliance)

Facsimile Number: 317-327-2274.

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

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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

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

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

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

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

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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, or OES 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, or OES 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, or OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or OES 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 OES and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

and

Indianapolis OES
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221

- (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, and OES 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, and/or OES, 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, and OES, 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) 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.

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

and

Indianapolis OES
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2700 South Belmont Avenue
Indianapolis, IN 46221

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

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

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

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

requirements promulgated or approved by the U.S. EPA.

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

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

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

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

and

Indianapolis OES
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221

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, and OES 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 or 326 IAC 10-4.

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, and OES U.S. EPA, or an authorized representative to perform the following:

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

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

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

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

and

Indianapolis OES
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221

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, or OES, 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, Licencing, 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).

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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, and OES of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES if the Permittee submits to IDEM, OAQ, and OES 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 the effective date 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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

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

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

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

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

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

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

C.13 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.14 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, and OES 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.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.
- (b) Upon direct notification by IDEM, OAQ, and/or OES, that a specific air pollution episode

level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-7-5(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.17 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.18 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, and OES 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, and OES that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the retesting deadline.
- (c) IDEM, OAQ, and OES 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.19 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) 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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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, and OES on or before the date it is due.

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or

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 or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES 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 the effective date of this permit.
- (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 or 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:
 - (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
 - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

- (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, and OES on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the 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 Electric Utility Steam Generating Unit, then for that project the Permittee shall:
 - (1) Submit to IDEM, OAQ and OES a copy of the information required by (c)(1) in Section C - General Record Keeping Requirements
 - (2) Submit a report to IDEM, OAQ and OES within sixty (60) days after the end of each year during which records are generated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements. The report shall contain all information and data describing the annual emissions for the emissions units during the calendar year that preceded the submission of report.

Reports required in this part shall be submitted to:

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

- (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 and OES:
- (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 (c)(2) and (3) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,
- Reports required in this part shall be submitted to:
- Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- and
- Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221
- (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 and OES. The general public may request this information from the IDEM, OAQ and OES under 326 IAC 17.1.

Stratospheric Ozone Protection

C.22 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 9. Unit 9 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 10. Unit 10 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.
- (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. 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. 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. 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.
- (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 GT3-1. 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 9 (Boiler number 9)	0.015	1.9
Unit 10 (Boiler number 10)	0.015	2.2
Unit 50 (Boiler number 50)	0.135	82.2
Unit 60 (Boiler number 60)	0.135	82.2
Unit 70 (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.

- (c) Pursuant to 326 IAC 6.5-6(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.

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 9 and Unit 10 (Boiler number 9 and Boiler number 10)	0.35
Unit 50 and Unit 60 (Boiler number 50 and Boiler number 60)	4.7
Unit 70 (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 9, 10, 50, 60 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 50 and Unit 60 (Boiler number 50 and Boiler number 60)	5.2
	Unit 9, Unit 10 and Unit GT1, GT2 and GT3 (Boiler number 9 and Boiler number 10 and Gas Turbines GT1, GT2 and GT3)	0.0
2	Unit 50 and Unit 60 (Boiler number 50 and Boiler number 60)	5.0
	Unit 9 and Unit 10 (Boiler number 9 and Boiler number 10)	0.0
	Unit GT1,GT2 and GT3 (Gas Turbines GT1, GT2 and GT3)	0.4
3	Unit 50 and Unit 60 (Boiler number 50 and Boiler number 60)	4.1
	Unit 9 and Unit 10 (Boiler number 9 and Boiler number 10)	0.35
	Unit GT1,GT2 and GT3 (Gas Turbines GT1, GT2 and GT3)	0.3
4	Unit 50 and Unit 60 (Boiler number 50 and Boiler number 60)	3.9
	Unit 9, Unit 10 and GT1, GT2 and GT3 (Boiler number 9 and Boiler number 10 and Gas Turbines GT1, GT2 and GT3)	0.35

- (1) IDEM, OAQ and OES 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 and OES upon request. A daily summary indicating which boilers were in service during the day shall be submitted to IDEM, OAQ and OES 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 an OES 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 9 and Unit 10:
- (1) When building a new fire in Unit 9 or Unit 10, or shutting down Unit 9 or Unit 10, 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 9 or Unit 10 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 50, Unit 60 and Unit 70:
- (1) When building a new fire in Unit 50 or Unit 60, 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 70, 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 50, Unit 60 and/or Unit 70, 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.

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.

Compliance Determination Requirements

D.1.6 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 Boiler 50, 60 and 70, identified as Unit 50, 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.1.7 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

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

D.1.8 Continuous Monitoring of Emissions [326 IAC 3-5]

Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous opacity monitoring systems for Unit 50, Unit 60 and Unit 70 shall be calibrated, maintained, and operated for measuring opacity, which meets the performance specifications of 326 IAC 3-5-2.

D.1.9 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) 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)]

D.1.10 Sulfur Dioxide Emissions (SO₂) and Sulfur Content [326 IAC 7-2] [326 IAC 7-4-2] [326 IAC 3-7-4]
Compliance for Unit 9, Unit 10 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 9, Unit 10 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.1.11 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 a 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

D.1.12 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, 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, 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 twenty five percent (25%) for Unit 50 or Unit 60 but not exceeding the opacity limit for the Unit 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.
- (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.1.13 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission (VE) notations of Unit 9 and/or Unit 10 stack exhaust(s) shall be performed once per day during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) If abnormal emissions are observed at Unit 9 and/or Unit 10 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.1.14 SO₂ Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)]

Whenever the SO₂ continuous emission monitoring system (CEMS) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO₂ emissions:

- (a) If the CEMS is down for less than twenty-four (24) hours, the Permittee shall substitute an average of the quality assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.
- (b) 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.

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.1.13 and D.1.14, the Permittee shall maintain records in accordance with (1) through (6) 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 9, Unit 10 and Units GT1, GT2 and GT3;
 - (2) Data and results from the most recent stack test;
 - (3) All continuous opacity monitoring data, pursuant to 326 IAC 3-5;

- (4) 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);
 - (5) The results of all Method 9 visible emission readings taken during any periods of COM downtime;
 - (6) All ESP parametric monitoring readings.
- (b) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (3) 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(g);
 - (2) When using fuel sampling and analysis to demonstrate compliance, all fuel sampling and analysis data, pursuant to 326 IAC 7-2.
 - (3) Actual fuel usage since last compliance determination period.
- (c) To document compliance with Condition D.1.2, 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 9, Unit 10, 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.1.9, D.1.10 and D.1.14 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:

$$STD = (0.0075) * (14.4/Y) + F$$

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.

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.

Compliance Determination Requirements

D.2.9 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.

D.2.10 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.2.11 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 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.2.12 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.2.13 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.2.14 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 while 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.2.15 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.2.9, D.2.10, D.2.12, D.2.13 and D.2.14, 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, D.2.7, and D.2.14:
 - (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.2.16 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Conditions D.2.4 and D.2.12 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).

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:

$$STD = (0.0075) * (14.4/Y) + F$$

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 10 ⁴).
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.
- (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.3.4 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.

Compliance Determination Requirements

D.3.5 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.3.6 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 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).

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.

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

D.3.8 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.3.9 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.2, D.3.3, D.3.4, D.3.5, D.3.6 and D.3.8, 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, 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) 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.3.10 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.3.3 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).

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)]

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.

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.

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

D.4.3 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. 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.4.4 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.4.3, 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 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) 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.6

FACILITY OPERATION CONDITIONS

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

Insignificant Activities

- (a) 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)]
- (d) 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)]
- (g) 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]
- (h) 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 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, 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.

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;

- 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°C) (one hundred degrees Fahrenheit (100°F));
- (B) The solvent is agitated; or
- (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38OC) (one hundred degrees Fahrenheit (100OF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
- (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
- (B) A water cover when solvent is used is insoluble in, and heavier than, water.
- (C) Other systems of demonstrated equivalent control such as a refrigerated chiller 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 truck(s)/loader(s) 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 L-1 and L-2, using bin vents LC-1 and LC-2 as control, and exhausting to stack/vent LSV-1 and LSV-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L-1 and L-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 BM-1 and BM-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, BM-1 and BM-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) Five (5) 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. Under 40 CFR 60.670, Subpart OOO, T-4 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.7.1 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 two (2) limestone storage silos, identified as L-1 and L-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 five (5) 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.

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 L-1 and L-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 L-1 and L-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 L-1 and L-2, combined with the unrestricted potential to emit from emission units T-1, T-2, T-3, 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.

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.

Compliance Determination Requirements

D.7.4 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 and OES 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.7.5 Visible Emissions Notations

- (a) Visible emission notations of the limestone storage silo stack/vent LSV-1 and LSV-2 exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of the transfer points for the five (5) covered limestone conveyors, identified as T-2 and of the transfer points for five (5) 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.7.6 Parametric Monitoring

The Permittee shall record the pressure drop across LC-1 and LC-2, at least once per day. When for any one reading, the pressure drop is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions 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.7.7 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. 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.7.8 Record Keeping Requirements

- (a) To document compliance with Condition D.7.5, the Permittee shall maintain the following:
 - (1) Records of daily visible emission notations of the limestone storage silo stack/vent LSV-1 and LSV-2 exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
 - (2) Records of weekly visible emission notations of the transfer points for the five (5) covered limestone conveyors, identified as T-2, and of the transfer points for the five (5) 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.7.6, the Permittee shall maintain:

Daily records of the pressure drop across LC-1 and LC-2. The Permittee shall include in its daily 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.7.9 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 L-1 and L-2, the two (2) enclosed wet ball mills (grinding mills), identified as BM-1 and BM-2, and the five (5) 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 60.7, the Permittee shall submit all required notifications and reports to:

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

D.7.10 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 L-1 and L-2, the two (2) enclosed wet ball mills (grinding mills), identified as BM-1 and BM-2, and the five (5) covered gypsum conveyors, identified as T-4, shall each comply with the following:

§ 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.

(r) 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) or 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]

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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 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 E

TITLE IV CONDITIONS

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

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 9. Unit 9 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 10. Unit 10 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.
- (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. 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. 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. 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.
- (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 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)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

- (a) One (1) Combustion Engineering Boiler number 9 identified as Unit 9. Unit 9 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 10. Unit 10 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.
- (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. 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. 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. Distillate fuel 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.
- (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 1, Unit 2, Unit 3, and Unit 4.

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

- (a) The owners and operators and, to the extent applicable, the NO_x authorized account representative of the NO_x budget source and each NO_x budget unit at the source shall comply with the monitoring requirements of 40 CFR 75 and 326 IAC 10-4-12.
- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 326 IAC 10-4-12 shall be used to determine compliance by each unit with the NO_x budget emissions limitation under 326 IAC 10-4-4(c) and Condition F.4, Nitrogen Oxides Requirements.

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

- (a) The owners and operators of the NO_x budget source and each NO_x budget unit at the source shall hold NO_x allowances available for compliance deductions under 326 IAC 10-4-10(j), as of the NO_x allowance transfer deadline, in each unit's compliance account and the source's overdraft account in an amount:
 - (1) Not less than the total NO_x emissions for the ozone control period from the unit, as determined in accordance with 40 CFR 75 and 326 IAC 10-4-12;
 - (2) To account for excess emissions for a prior ozone control period under 326 IAC 10-4-10(k)(5); or
 - (3) To account for withdrawal from the NO_x budget trading program, or a change in regulatory status of a NO_x budget opt-in unit.
- (b) Each ton of NO_x emitted in excess of the NO_x budget emissions limitation shall constitute a separate violation of the Clean Air Act (CAA) and 326 IAC 10-4.
- (c) Each NO_x budget unit shall be subject to the requirements under (a) above and 326 IAC 10-4-4(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.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

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

and

**Indianapolis Office of Environmental Services
AIR COMPLIANCE
2700 South Belmont Avenue
Indianapolis, IN 46221**

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

and

**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

**2700 South Belmont Avenue
Indianapolis, IN 46221
Phone: 317-327-2234
Fax: 317-327-2274**

**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

Page 1 of 2

- | |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) |
| <input checked="" type="checkbox"/> The Permittee must notify the Office of Air Quality (OAQ), and OES within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and |
| <input checked="" type="checkbox"/> The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16. |

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

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

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

Page 2 of 2

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

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

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:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

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

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 9 and Unit 10
Parameter: Distillate Oil Consumption
Limit: 1900 kgals for Unit 9 and 2200 kgals for Unit 10 per twelve consecutive month
period with compliance determined at the end of each month

Quarter: _____ Year: _____

Month		Column 1	Column 2	Column 1 + Column 2
		This Month	Previous 11 Months	12 Month Total
Month	Unit 9			
	Unit 10			
Month	Unit 9			
	Unit 10			
Month	Unit 9			
	Unit 10			

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 DATA SECTION
 and
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
 AIR COMPLIANCE**

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

Quarter: _____ Year: _____

Month		Column 1	Column 2	Column 1 + Column 2
		This Month	Previous 11 Months	12 Month Total
Month	Unit GT1			
	Unit GT2			
	Unit GT3			
Month	Unit GT1			
	Unit GT2			
	Unit GT3			
Month	Unit GT1			
	Unit GT2			
	Unit GT3			

- 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 DATA SECTION
 and
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
 AIR COMPLIANCE**

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:

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

Attach a signed certification to complete this report.
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE

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 DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

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.

Quarter: _____ Year: _____

	Column 1	Column 2	Column 1 + Column 2
	Total natural gas usage this month (MMCF)	Total natural gas usage previous 11 months (MMCF)	Twelve consecutive month period natural gas usage (MMCF)
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 DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

**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

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

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Attachment A

State Rules Adopted by Reference

The following State Rules have been adopted by reference by the Indianapolis Air Pollution Control Board and are enforceable by Indianapolis Office of Environmental Services (OES) using local enforcement procedures.

- (1) 326 IAC 1;
- (2) 326 IAC 2-3-1 through 326 IAC 2-3-5;
- (3) 326 IAC 2-4-1 through 326 IAC 2-4-6;
- (4) 326 IAC 2-6-1 through 326 IAC 2-6-4;
- (5) 326 IAC 2-7-1 through 2-7-18; 2-7-20 through 2-7-25;
- (6) 326 IAC 2-8-1 through 2-8-15, 2-8-17;
- (7) 326 IAC 2-9-1 through 2-9-14;
- (8) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language “state or local” immediately after the word “federal” in 326 IAC 2-10-1);
- (9) 326 IAC 2-11-1, 2-11-3 and 2-11- 4 (The IAPCB adoption adds the language “state or local” immediately after the word “federal” in 326 IAC 2-11-1);
- (10) 326 IAC 3-1.1-1 through 3-1.1-5;
- (11) 326 IAC 3-2.1 through 3-2.1-5;
- (12) 326 IAC 3-3-1 through 3-3-5;
- (13) 326 IAC 4-2-1 through 4-2-2;
- (14) 326 IAC 5-1-1(a), (b) and (c)(5), 5-1-2(1), (2)(A), (2)(c)(4), 5-1-3 through 5-1-5, 5-1-7;
- (15) 326 IAC 6;
- (16) 326 IAC 7-1.1-1 and 7-1.1-2;
- (17) 326 IAC 7-2-1;
- (18) 326 IAC 7-3-1 and 7-3-2
- (19) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
- (20) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
- (21) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2-5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
- (22) 326 IAC 8-3-1 through 8-3-7;
- (23) 326 IAC 8-4-1 through 8-4-5, 8-4-6(a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6 c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) KiloPascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
- (24) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
- (25) 326 IAC 8-6-1 and 8-6-2;
- (26) 326 IAC 9-1-1 and 9-1-2;
- (27) 326 IAC 10 (adopted January 8, 2004);
- (28) 326 IAC 11-1-1 through 11-1-2
- (29) 326 IAC 11-2-1 through 11-2-3;
- (30) 326 IAC 11-3-1 through 11-3-6;
- (31) 326 IAC 14-1-1 through 14-1-4;
- (32) 326 IAC 14-2-1 except 40 CFR 61.145;
- (33) 326 IAC 14-3-1;
- (34) 326 IAC 14-4-1;
- (35) 326 IAC 14-5-1;
- (36) 326 IAC 14-6-1;
- (37) 326 IAC 14-7-1;
- (38) 326 IAC 14-8-1 through 14-8-5;
- (39) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
- (40) 326 IAC 20;
- (41) 326 IAC 21;
- (42) 326 IAC 21-1-1 (The adoption state that “or the administrator of OES” is added in (b));
- (43) 326 IAC 22-1-1 (The adoption state that “or the administrator of OES” is added in (b));

Attachment B

Acid Rain Permit and Subsequent Revisions

ATTACHMENT B

Phase II Acid Rain Permit

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Source: Harding Street Station (formerly known as Elmer W. Stout Generating Station)
Address: 3700 South Harding Street, Indianapolis, IN 46217
Operated by: Indianapolis Power and Light
Owned by: Indianapolis Power and Light
ORIS Code: 990
Effective: January 1, 2000 through December 31, 2004

This permit is issued under the provisions of 326 Indiana Administrative Code (IAC) 21.

Operation Permit No.: AR 097-5106-00033	
Issued by: Felicia R. George, Assistant Commissioner Office of Air Management	Issuance Date: December 31, 1997 Expiration Date: December 31, 2004

Revised Operation Permit No.: AAR 097-10326 -00033	Pages Affected: All
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief, Permits Branch Office of Air Quality	Issuance Date: June 17, 2002 Expiration Date: December 31, 2004

Title IV source description: exempt boiler units 1 through 8, oil fired boiler unit 9, oil fired boiler unit 10, tangentially-fired boiler unit 50, tangentially-fired boiler unit 60, tangentially-fired boiler unit 70, natural gas fired turbine units GT4, GT5, and GT6.

1 Statutory and Regulatory Authorities

In accordance with Indiana Code (IC) 13-17-3-4 and IC 13-17-3-11 as well as Title IV 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 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 the deadlines in 40 CFR 72.30.

(b) The owners and operators of each affected source and each affected unit shall operate the unit in compliance with this acid rain permit.

3 Monitoring Requirements [326 IAC 21]

(a) The owners and operators and, to the extent applicable, the designated representative of each affected source and each affected unit at the source 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 shall be used to determine compliance by the unit 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 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit 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 owners and operators of each source and each affected unit at the source shall:

(1) Hold allowances, as of the allowance transfer deadline (as defined in 40 CFR 72.2), in the unit's compliance subaccount, after deductions under 40 CFR 73.34(c), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; 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) An affected unit shall be subject to the requirements under paragraph (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 subcondition (a)(1) of this condition 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, an acid rain permit application, an acid rain permit, the acid rain portion of an operating permit, or the written exemption under 40 CFR 72.7, 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 an affected source. An affected source may not, however, use allowances as a defense to noncompliance with any applicable requirement other than the requirements of the Acid Rain Program. [326 IAC 2-7-5(4)(B)]
- (j) Sulfur dioxide (SO₂) allowances shall be allocated to each unit at the source as follows:

SO ₂ Allowance Allocations for Unit 9					
year	2000	2001	2002	2003	2004
Tons	1*	1*	1*	1*	1*

SO ₂ Allowance Allocations for Unit 10					
year	2000	2001	2002	2003	2004
Tons	2*	2*	2*	2*	2*

SO ₂ Allowance Allocations for Unit 50					
year	2000	2001	2002	2003	2004
Tons	1,673*	1,673*	1,673*	1,673*	1,673*

SO ₂ Allowance Allocations for Unit 60					
year	2000	2001	2002	2003	2004
tons	2,057*	2,057*	2,057*	2,057*	2,057*

SO ₂ Allowance Allocations for Unit 70					
year	2000	2001	2002	2003	2004
Tons	10,177*	10,177*	10,177*	10,177*	10,177*

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

SO ₂ Allowance Allocations for Unit GT4					
year	2000	2001	2002	2003	2004
tons	NA**	NA**	NA**	NA**	NA**

SO ₂ Allowance Allocations for Unit GT5					
year	2000	2001	2002	2003	2004
tons	NA**	NA**	NA**	NA**	NA**

SO ₂ Allowance Allocations for Unit GT6					
year	2000	2001	2002	2003	2004
tons	NA**	NA**	NA**	NA**	NA**

** These units have no SO₂ allowance allocations from U.S. EPA. The allowances shall be obtained from other sources to account for the SO₂ emissions from these units as required by 40 CFR 72.9(c).

5 Nitrogen Oxides Requirements [326 IAC 21]

- (a) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitation for nitrogen oxides (NO_x).

- (b) NO_x Emission Averaging Plan for Unit 50:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves the NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the years 2000, 2001, 2002, 2003, and 2004. Under each plan, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.44 lb/mmBtu. In addition, this unit shall not have an annual heat input less than 6,797,000 mmBtu.
 - (2) Under each plan, the actual Btu-weighted annual average NO_x emission rate for 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. 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 this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit, as specified in (1) above.
 - (3) In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

- (c) NO_x Emission Averaging Plan for Unit 60:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves the NO_x emissions averaging plans for this unit. Each plan is effective for one calendar year for the years 2000, 2001, 2002, 2003, and 2004. Under each plan, this unit's NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.45 lb/mmBtu.
 - (2) Under each plan, the actual Btu-weighted annual average NO_x emission rate for 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. 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 this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation, as specified in (1) above.
 - (3) In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

- (d) NOx Emission Averaging Plan for Unit 70:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves the NOx emissions averaging plans for this unit. Each plan is effective for one calendar year for the years 2000, 2001, 2002, 2003, and 2004. Under each plan, this unit's NOx emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.40 lb/mmBtu. In addition, this unit shall not have an annual heat input less than 25,412,000 mmBtu.
 - (2) Under each plan, the actual Btu-weighted annual average NOx emission rate for 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. 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 this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit, as specified in (1) above.
 - (3) In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.
- (e) Oil fired boiler units 9 and 10, and natural gas fired turbine units GT4, GT5, and GT6 are not subject to nitrogen oxides emissions limitation requirements.

6 Excess Emissions Requirements for Sulfur Dioxide and Nitrogen Oxides[40 CFR 77] [326 IAC 21]

- (a) The designated representative of an affected unit that has excess emissions of sulfur dioxide in any calendar year 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
Air Compliance Section 1, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

and

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

- (c) The owners and operators of an affected unit that has excess emissions (as defined in 40 CFR 72.2) in any calendar year 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 owners and operators of the source and each affected unit at the source 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 5 years, in writing by U.S. EPA or IDEM, OAQ:
 - (1) The certificate of representation for the designated representative for the source and each affected unit at the source 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 75.54 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 an affected source and each affected unit at the source 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.

8 Submissions [326 IAC 21]

- (a) The designated representative 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
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 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 a source shall serve notice on each owner and operator of the source and of an affected unit at the source:
- (1) By the date of submission, of any Acid Rain Program submissions by the designated representative;
 - (2) Within 10 business days of receipt of a determination, of any written determination by U.S. EPA or IDEM, OAQ; and,
 - (3) Provided that the submission or determination covers the source or the unit.
- (f) The designated representative of a source shall provide each owner and operator of an affected unit at the source a copy of any submission or determination under condition (e) of this section, unless the owner or operator 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, a complete 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, 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 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 and 18 USC 1001 and shall be subject to criminal enforcement by 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) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (e) Any provision of the Acid Rain Program that applies to an affected source, including a provision applicable to the designated representative of an affected source, shall also apply to the owners and operators of such source and of the affected units at the source.
- (f) Any provision of the Acid Rain Program that applies to an affected unit, including a provision applicable to the designated representative of an affected unit, shall also apply to the owners and operators of such unit. 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 owners and operators 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, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, 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 owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit 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 79(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

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.

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:

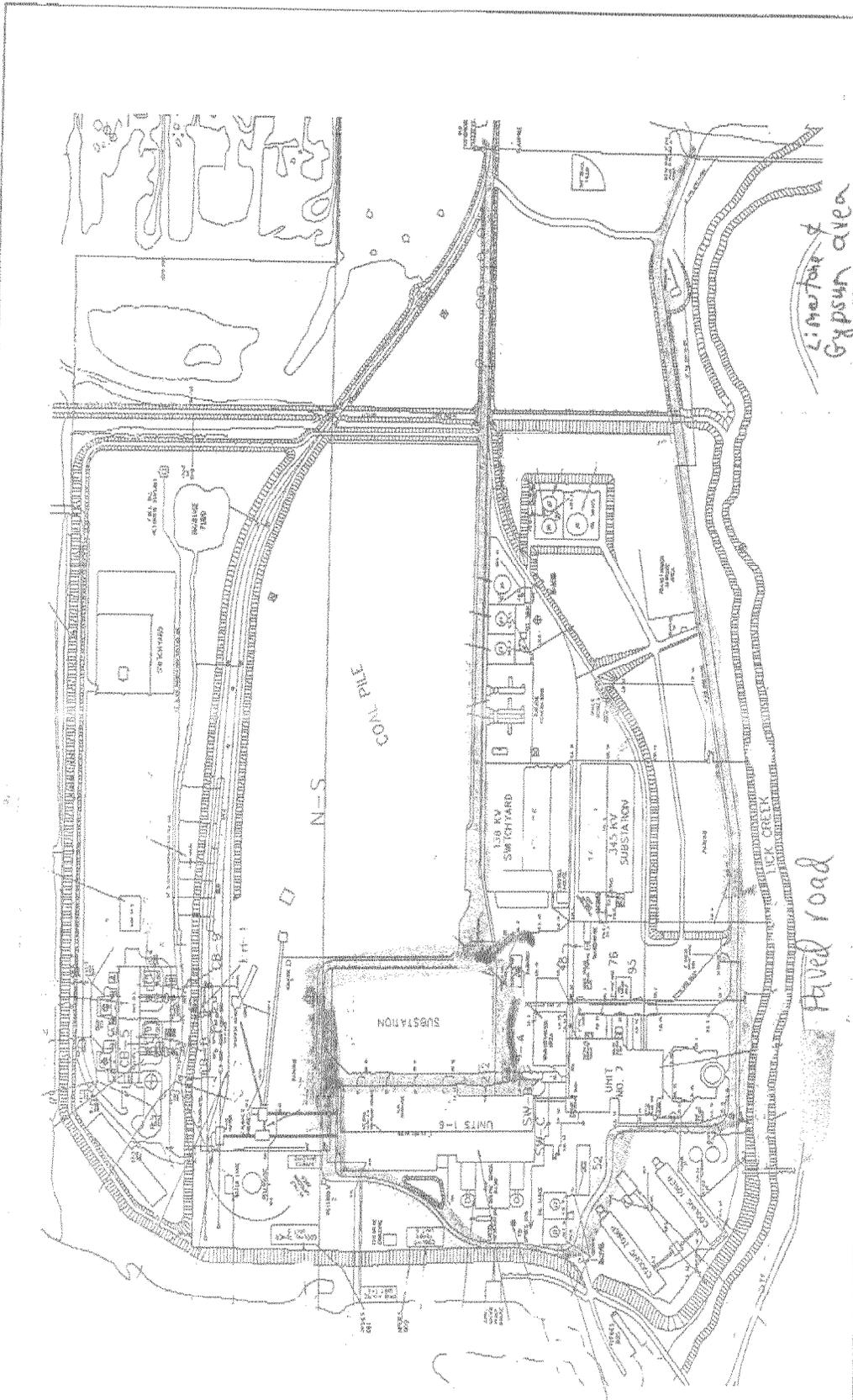
None issued.

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.



NO.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
1	DESIGNED AND DRAWN BY: M. CARAHER				
2	CHECKED BY: M. CARAHER				
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50	CHECKED BY: M. CARAHER				

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

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

Source Description and Location
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Source Name:	Indianapolis Power & Light Company - Harding Street Generating Station
Source Location:	3700 South Harding Street, Indianapolis, IN 46217 and 4190 South Harding Street, Indianapolis, IN 46217
County:	Marion County
SIC Code:	4911
Part 70 Operating Permit No.:	T097-6566-00033
Part 70 Operating Permit Issuance Date:	June 30, 2006
Significant Permit Modification No.:	097-23699-00033
Permit Reviewer:	M. Caraher

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 is operating under the following approvals:

- (a) Part 70 Significant Source Modification 097-21938-00033, issued by the City of Indianapolis OES on April 25, 2006.
- (b) Part 70 Operating Permit T097-6566-00033, issued by IDEM, OAQ and OES on June 30, 2006 and effective on July 3, 2006.

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM2.5	nonattainment
PM10	attainment
SO ₂	maintenance attainment
NO ₂	attainment
8-hour Ozone	basic nonattainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Marion County has been classified as attainment or unclassifiable for PM10, SO₂, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (e) 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).
- (f) 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.

Source Status

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

Pollutant	Emissions (tons/year)
PM	1,238.3
PM10	42,768.5
PM2.5	42,768.5
SO ₂	326,805.9
VOC	127.9
CO	1,085.6
NO _x	26,375.1
Lead	13.8

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because an attainment regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is a major stationary source, under PSD (326 IAC 2-2), because the potential to emit Lead or Lead compounds measured as elemental Lead is equal to or greater than 5 tons per year.
- (c) This existing source is a major stationary source under Emission Offset (326 IAC 2-3) because nonattainment regulated pollutants, specifically, VOC and NO_x emissions, are each in excess of 100 tons per year.
- (d) This existing source is a major stationary source under Nonattainment New Source Review (326 IAC 2-1.1-5) because PM2.5 emissions are 100 tons per year or more. Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Nonattainment New Source Review (326 IAC 2-1.1-5).
- (e) These emissions are based upon the Part 70 Operating Permit, T097-6566-00033, issued June 30, 2006.

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

HAPs	Potential To Emit (tons/year)
Polycyclic Organic Matter	0.74
Formaldehyde	20.2
Selenium Compounds	0.003
Hydrogen Chloride	287.0
Nickel	34.7
Arsenic	18.4
Beryllium	2.3
Cadmium	1.2
Chromium	42.4
Lead	13.8
Manganese	80.4
Mercury	0.5
Hydrogen Fluoride	101.3
TOTAL	602.9

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

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2005 Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) emission data.

Pollutant	Actual Emissions (tons/year)
PM	475.1
PM10	112.8
SO ₂	44782.9
VOC	70.1
CO	493.8
NO _x	6228.2
HAP	Not reported

Description of Proposed Modification

The initial Part 70 Operating Permit for Indianapolis Power & Light Company – Harding Street Generating Station (hereafter referred to as IPL), T097-6566-00033, was issued on June 30, 2006. The Part 70 Significant Source Modification No. 097-21938-00033 that was issued on April 25, 2006 was not incorporated into the Part 70 Operating Permit prior to the issuance of the Part 70 Operating Permit. This Part 70 Significant Source Modification allowed the construction of material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber project.

IDEM, OAQ and OES have reviewed the significant permit modification application submitted by IPL on August 25, 2006. The application is to incorporate the Part 70 Significant Source Modification No. 097-21938-00033 into Section A.3 and new Sections D.7 and D.8 of the existing Part 70 Operating Permit. The incorporation of applicable NSPS requirements (40 CFR Part 60, Subpart Y and 40 CFR Part 60, Subpart OOO) into the existing Part 70 Operating Permit for this source, T097-6566-00033, incorporates significant changes in monitoring permit terms or conditions and is a Title I modification. Pursuant to 326 IAC 2-7-12(d), every significant change in monitoring, permit terms or conditions shall be considered significant. Therefore, the incorporation qualifies as a Significant Permit Modification with the application tracking number assigned as SPM097-23699-00033.

The following is a list of the emission unit(s) and pollution control device(s) as permitted under the Significant Source Modification 097-21938-00033:

- (a) Limestone transfer from truck(s)/loader(s) to the conveyor system, identified as T-1, with a maximum capacity to transfer 190,000 tons of limestone per year and using no control. Five (5) covered limestone conveyors, identified as T-2, with a maximum capacity to convey 190,000 tons of limestone per year and using no control. Two (2) 630 ton capacity limestone storage silos, identified as L-1 and L-2, using bin vents LC-1 and LC-2 as control, and exhausting to stack/vent LSV-1 and LSV-2. 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 BM-1 and BM-2. The ball mill grinding mills are located in a covered building. Under 40 CFR 60.670, Subpart OOO, T-2, L-1, L-2, BM-1 and BM-2 are each considered an affected facility.
- (b) Gypsum transfer, identified as T-3, with a maximum capacity to transfer 305,000 tons of gypsum per year and using no control. Five (5) covered gypsum conveyors, identified as T-4, with a maximum capacity to convey 305,000 tons of gypsum and using no control. Under 40 CFR 60.670, Subpart OOO, T-4 is considered an affected facility.

- (c) 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. 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. Under 40 CFR 60.250, Subpart Y, T-6 is considered an affected facility.

On February 26, 2007, IPL updated the August 25, 2006 application by requesting the capacity of limestone handling and conveying be increased from 190,000 tons per year to 230,000 tons per year. The update also requested that the maximum capacity of gypsum material handling and conveying be increased from 305,000 tons per year to 414,000 tons per year. IPL also submitted a dust control plan (material handling support facilities) for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber project. The dust control plan includes dust control activities for the entire source. The requested increase in capacity for limestone handling and conveying does not revise any applicable requirement or any monitoring, record keeping or reporting requirement. In addition, the requested increase in capacity for limestone handling and conveying does not have an increase in potential to emit particulate matter (PM) or particulate matter less than ten (10) microns (PM10) of equal to or greater than five (5) tons per year as shown in the table below. Therefore, the requested increase in capacity for limestone handling and conveying does not require a source modification pursuant to 326 IAC 2-7-10.5 (Part 70 Permits; Source Modifications).

	Unrestricted Potential to Emit (tons per year)		
	PM	PM10	PM2.5
SSM097-21938-00033 ⁽¹⁾	77.24	76.06	75.33
SPM097-23699-00033 ⁽²⁾	77.62	76.24	75.19
Increase in Unrestricted Potential to Emit	0.38	0.18	0.14

⁽¹⁾ See SSM097-21938-00033 TSD Appendix A page 3 of 3

⁽²⁾ See (SPM097-23699-00033) TSD Appendix A page 3 of 3

Enforcement Issues

There are no pending enforcement actions.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
LSV-1	Limestone Storage Silo (L-1) bin vent	NA	NA	1000	Ambient
LSV-2	Limestone Storage Silo (L-2) bin vent	NA	NA	1000	Ambient

Emission Calculations

See Appendix A (pages 1 through 3 of 3) of this document for detailed emission calculations.

Permit Level Determination – Part 70

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

enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

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

Pollutant	Potential To Emit (tons/year)
PM	77.62
PM10	76.24
PM2.5	75.19
SO ₂	None
VOC	None
CO	None
NO _x	None

HAPs	Potential To Emit (tons/year)
None	NA
TOTAL	NA

The Part 70 Significant Source Modification No. 097-21938-00033 issued on April 25, 2006 was not incorporated into the Part 70 Operating Permit prior to the issuance of the Part 70 Operating Permit and allowed the construction and operation of material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber project. Pursuant to 326 IAC 2-7-12(d), every significant change in monitoring, permit terms or conditions shall be considered significant. The incorporation of applicable NSPS requirements (40 CFR Part 60, Subpart Y and 40 CFR Part 60, Subpart OOO) into the existing Part 70 Operating Permit for this source, T097-6566-00033, incorporates significant changes in monitoring permit terms or conditions and is a Title I modification. Therefore, the incorporation qualifies as a Significant Permit Modification.

Permit Level Determination – PSD or Emission Offset

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 Significant Permit Modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/Emission Unit	Potential to Emit (tons/year)						Highest Single HAP / Combined HAP
	PM	PM10	SO ₂	VOC	CO	NO _x	
Limestone Transfer, T-1	1.30	0.62	0.0	0.0	0.0	0.0	0.0 / 0.0
Limestone Covered Transfer, T-2	0.62	0.29	0.0	0.0	0.0	0.0	0.0 / 0.0
Limestone Storage Silos, L-1 & L-2	1.65 ⁽¹⁾	1.65 ⁽¹⁾	0.0	0.0	0.0	0.0	0.0 / 0.0
Ball Mill grinders, BM-1 & BM-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0 / 0.0
Gypsum Transfer, T-3	0.15	0.07	0.0	0.0	0.0	0.0	0.0 / 0.0
Gypsum Covered Transfer, T-4	0.05	0.02	0.0	0.0	0.0	0.0	0.0 / 0.0
Coal Transfer, T-5	0.37	0.17	0.0	0.0	0.0	0.0	0.0 / 0.0
Coal Covered Transfer, T-6	0.12	0.06	0.0	0.0	0.0	0.0	0.0 / 0.0

Potential to Emit (tons/year)							
Process/Emission Unit	PM	PM10	SO ₂	VOC	CO	NO _x	Highest Single HAP / Combined HAP
Total for Modification	4.27	2.89	0.0	0.0	0.0	0.0	0.0 / 0.0
PSD & Nonattainment New Source Review Significant Level	25	15	40	40	100	40	NA

Notes: (1) Value represents limited potential to emit. All other emission units' values in the table are unrestricted potential to emit.

- (a) This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (b) Marion County has been designated as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM_{2.5} Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM_{2.5} major NSR regulations, states should assume that a major stationary source's PM₁₀ emissions represent PM_{2.5} emissions. IDEM will use the PM₁₀ nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM_{2.5} NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM₁₀. IPL has limited the potential to emit of PM₁₀ from the modification to less than fifteen (15) tons per year. Therefore, assuming that PM₁₀ emissions represent PM_{2.5} emissions, 326 IAC 2-1.1-5 does not apply for PM_{2.5}.

40 CFR 60.670, Subpart OOO (New Source Performance Standards for Nonmetallic Mineral Processing Plants) applies to limestone and gypsum handling. Pursuant to 40 CFR 60.672(a)(1), particulate matter emissions from stacks shall not exceed 0.022 grains per dry standard cubic foot of exhaust air. This project has two (2) stack emission points, limestone storage silos L-1 and L-2, using bin vents LC-1 and LC-2 as control and exhausting to stack/vent LSV-1 and LSV-2. At an exhaust air flow rate of 1000 dscf/min for each stack exhaust, this is equivalent to particulate matter emissions of 0.19 pounds per hour (0.022 gr/dscf x 1000 dscf/min x 60 min/hr x lb/7000 gr = 0.19 pounds per hour) for each bin vent stack exhaust.

Since this source is considered a major PSD and Emission Offset source and the unrestricted potential to emit of this modification is greater than twenty-five (25) tons of PM per year and fifteen (15) tons of PM₁₀ per year, this source has elected to limit the potential to emit of this modification as follows:

- (a) The PM emission rate from the two (2) limestone storage silos, identified as L-1 and L-2, shall each not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour. 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) The PM₁₀ emissions from each limestone storage silo, identified as L-1 and L-2, shall not exceed 0.022 gr/dscf of exhaust air and shall each not exceed 0.19 pounds per hour. 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.

Compliance with these emission limits will ensure that the limited potential to emit from emission units L-1 and L-2, combined with the unrestricted potential to emit from emission units T-1, T-2, T-3, 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

1.1-5 not applicable (see TSD Appendix A page 3 of 3).

Federal Rule Applicability Determination

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

(a) This source is subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants, Subpart OOO (40 CFR 60.670), which is incorporated by reference as 326 IAC 12. The emission units subject to this rule include the following:

- (1) Emission Unit T-2, five (5) covered limestone conveyors;
- (2) Emission Units L-1 and L-2, two (2) limestone storage silos;
- (3) Emission Units BM-1 and BM-2, two (2) enclosed wet ball mills (grinding mills) located in a covered building.
- (4) Emission Unit T-4, five (5) covered gypsum conveyors.

Nonapplicable portions of the NSPS will not be included in the permit. These units are each subject to the following portions of Subpart OOO:

- (1) 40 CFR 60.670
- (2) 40 CFR 60.671
- (3) 40 CFR 60.672(a)
- (4) 40 CFR 60.672(b)
- (5) 40 CFR 60.672(c)
- (6) 40 CFR 60.672(d)
- (7) 40 CFR 60.672(e)
- (8) 40 CFR 60.672(f)
- (9) 40 CFR 60.672(g)
- (10) 40 CFR 60.673
- (11) 40 CFR 60.675(a)
- (12) 40 CFR 60.675(b)
- (13) 40 CFR 60.675(c)
- (14) 40 CFR 60.675(d)
- (15) 40 CFR 60.675(e)
- (16) 40 CFR 60.676(a)
- (17) 40 CFR 60.676(f)
- (18) 40 CFR 60.676(h)(i)(1)
- (19) 40 CFR 60.676(j)

(b) This source is subject to the Standards of Performance for Coal Preparation Plants, Subpart Y (40 CFR 60.250), which is incorporated by reference as 326 IAC 12. The emission units subject to this rule include the following:

- (1) Emission Unit T-6, five (5) covered coal conveyors.

Nonapplicable portions of the NSPS will not be included in the permit. These units are each subject to the following portions of Subpart Y.

- (1) 40 CFR 60.250
- (2) 40 CFR 60.251
- (3) 40 CFR 60.252(c)
- (4) 40 CFR 60.254(a)
- (5) 40 CFR 60.254(b)(2)

(c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this proposed significant permit modification.

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
- (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Limestone Storage Silo, L-1	Bin Vent Filter	Y	75.0	0.82	100	N	N
Limestone Storage Silo, L-2	Bin Vent Filter	Y		0.82	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this significant permit modification.

State Rule Applicability Determination

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

326 IAC 2-1.1-5 (Nonattainment New Source Review)

The construction and operation of limestone, gypsum and coal material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber is not major under nonattainment NSR because it has the limited potential to emit of less than fifteen (15) tons of PM10 (as a surrogate for PM2.5). Therefore, the Nonattainment New Source Review requirements are not applicable.

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the **Permit Level Determination - PSD and Emission Offset** section.

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

The construction and operation of limestone, gypsum and coal material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. With the construction and operation of these material handling facilities, this source did not construct or reconstruct a major HAP source after July 27, 1997. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it has the potential to emit more than one hundred (100) tons per year of PM10, NO_x, CO and SO₂. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in the 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.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

On September 1, 2005, 326 IAC 6-1 (Particulate Rules) was repealed as stated in the Indiana Register (28 IR 3454). All non-Lake County PM limitations have been placed into 326 IAC 6.5 (Particulate Matter Limitations Except Lake County). Marion County sources specifically listed in 326 IAC 6-1-12 (Particulate Rules: Marion County) are now listed in 326 IAC 6.5-6 (Marion County).

Sources or facilities located in Marion County which have the potential to emit greater than one hundred (100) tons per year of particulate or that have actual emissions greater than ten (10) tons per year and are not otherwise limited by 326 IAC 6.5-1-2(b) through (g) or 326 IAC 6.5-6 shall not exceed three hundredth (0.03) grains per dry standard cubic foot of exhaust. This source has the potential to emit one hundred (100) tons or more of particulate. Therefore, pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from each of the two (2) 630 ton capacity limestone storage silos, identified as L-1 and L-2, using bin vents LC-1 and LC-2 as control and exhausting to stack/vent LSV-1 and LSV-2, shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air. 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 in operation in order to comply with this limit.

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the five (5) covered limestone conveyors, identified as T-2, the two (2) weigh feeders, identified as BM-1 and BM-2, the five (5) covered gypsum conveyors, identified as T-4, and the five (5) covered coal conveyors, identified as T-6, shall each not exceed three hundredth (0.03) grains per dry standard cubic foot of exhaust air. Fugitive emissions (see Appendix A page 1 of 3) from limestone transfer, identified as T-1, gypsum transfer, identified as T-3, and coal transfer, identified as T-5, are each not subject to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County).

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

Pursuant to 326 IAC 6-3-1(c), 326 IAC 6-3 shall not apply if an applicable particulate matter emission limitation established in 326 IAC 6.5-1 (Particulate Matter Limitations Except Lake County) or 326 IAC 12 (New Source Performance Standards) is more stringent than the particulate limitation established in 326 IAC 6-3. This source is subject to 326 IAC 6.5-1 (Particulate Matter Limitations Except Lake County) and 326 IAC 12 (New Source Performance Standards). Therefore, 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) does not apply to this source.

326 IAC 6-5 (Fugitive Particulate Matter Emissions)

Pursuant to 326 IAC 6-5-1(b), any new source of fugitive particulate matter emissions, requiring a permit as set forth in 326 IAC 2, which has not received all the necessary preconstruction approvals before December 13, 1985, shall submit a dust control plan in all permit applications submitted to the commissioner. Pursuant to 326 IAC 6-5-3(c), any control practice or measure used to determine applicability or exemption of 326 IAC 6-5 shall be incorporated into the source's operating permit. IPL submitted a dust control plan for material handling support facilities for the Unit 70 Flue Gas Desulfurization (FGD) Scrubber project on February 26, 2007. A revised plan was submitted on March 20, 2007. The dust control plan includes source wide dust control activities. IPL shall comply with the provisions of the dust control plan included as Attachment C of the proposed Significant Permit Modification 097-23699-00033 to the Part 70 Operating Permit

T097-6566-00033.

326 IAC 7 (Sulfur Dioxide Rules)

The addition of limestone, gypsum and coal material handling support facilities for the FGD Scrubber project do not have the potential to emit sulfur dioxide of twenty five (25) tons per year or ten (10) pounds per hour of sulfur dioxide (see TSD Appendix A). Therefore, 326 IAC 7 (Sulfur Dioxide Rules) does not apply.

326 IAC 11 (Emission Limitations for Specific Types of Operations)

Limestone, gypsum and coal material handling support facilities (e.g., nonmetallic mineral processing plants) are not specifically identified in 326 IAC 11 (Emission Limitations for Specific Types of Operations). Therefore, 326 IAC 11 (Emission Limitations for Specific Types of Operations) does not apply to this proposed Significant Permit Modification 097-23699-00033.

326 IAC 12 (New Source Performance Standards)

See discussion under **Federal Rule Applicability Determination** section.

326 IAC 14 (Emission Standards for Hazardous Air Pollutants)

There are no provisions under 326 IAC 14 (and 40 CFR Part 61) for limestone, gypsum or coal material handling support facilities. Therefore, this new construction and operation is not subject to 326 IAC 14 (Emission Standards for Hazardous Air Pollutants).

326 IAC 20 (Hazardous Air Pollutants)

There are no provisions under 326 IAC 20 (and 40 CFR Part 63) for limestone, gypsum or coal material handling support facilities. This new construction and operation is not a constructed or reconstructed HAP source. Therefore, this new construction and operation is not subject to 326 IAC 20 (Hazardous Air Pollutants).

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 and OES, 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 found 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:

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 in operation.

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

- (a) Visible emission notations of the limestone storage silo stack/vent LSV-1 and LSV-2 exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) Visible emission notations of the transfer points for the five (5) covered limestone conveyors, identified as T-2 and of the transfer points for the five (5) 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.
- (g) The Permittee shall record the pressure drop across LC-1 and LC-2, at least once per day when the limestone silos are in operation. When for any one reading, the pressure drop is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions 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.

These monitoring conditions are necessary because the bin vent filters for limestone storage and the conveyors must operate properly to ensure compliance with 326 IAC 5 (Opacity Regulations), 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset), 40 CFR 60.250 and 40 CFR 60.670.

Testing Requirements					
Emission Unit	Control Device	Timeframe for Testing	Pollutant	Frequency of Testing	Limit or Requirement
Five (5) covered limestone conveyors, T-2	None	60/180 days	Opacity	Once every 5 years	NSPS Subpart OOO: < 10 % Opacity
Limestone Storage Silo, L-1	Bin Vent filter	60/180 days	PM & Opacity	Once every 5 years	NSPS Subpart OOO: 0.022 gr/dscf & < 7 % Opacity
Limestone Storage Silo, L-2	Bin Vent filter	60/180 days	PM & Opacity	Once every 5 years	NSPS Subpart OOO: 0.022 gr/dscf & < 7 % Opacity
Ball Mill Grinders, BM-1 & BM-2	Enclosed	60/180 days	Opacity	Once every 5 years	NSPS Subpart OOO: < 15 % Opacity

Emission Unit	Control Device	Timeframe for Testing	Pollutant	Frequency of Testing	Limit or Requirement
Five (5) covered Gypsum conveyors, T-4	None	60/180 days	Opacity	Once every 5 years	NSPS Subpart OOO: < 10 % Opacity
Five covered coal conveyors, T-6	None	60/180 days	Opacity	Once every 5 years	NSPS Subpart Y: < 20 % Opacity

The testing limits and requirements are pursuant to 40 CFR 60.670, Subpart OOO (New Source Performance Standards for Nonmetallic Mineral Processing Plants) and 40 CFR 60.250, Subpart Y (Standards of Performance for Coal Preparation Plants).

Proposed Changes

The initial Part 70 Operating Permit for IPL, T097-6566-00033, was issued on June 30, 2006. The Part 70 Significant Source Modification No. 097-21938-00033 that was issued on April 25, 2006 was not incorporated into the Part 70 Operating Permit prior to the issuance of the Part 70 Operating Permit. Therefore, the Part 70 Significant Source Modification is now incorporated into Section A.3 and new Sections D.7 and D.8 of the existing Part 70 Operating Permit for this source. The incorporation includes the February 26, 2007 application request to change limestone and gypsum handling and conveying and includes the March 20, 2007 version fugitive dust plan. 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

IDEM, OAQ and OES no longer require the Responsible Official to be listed in the permit. Therefore, Condition A.1 is revised as follows:

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).

~~Responsible Official: Plant Manager, Harding Street 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
 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 and Emission Offset Rules;
 Major Source, Section 112 of the Clean Air Act
 1 of 28 Source Categories

Change 2

In the Non-rule Policy Document Air-007 (Guidelines for submittal and review of Annual Compliance Certifications under the Federally Enforceable State Operating Permit (FESOP) and

Part 70 Permit Programs), a table is given as an example of how sources can submit annual compliance certifications. Condition B.9 (Annual Compliance Certification) is being revised to remove “in letter form” so that it does not contradict the guidance.

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

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

Change 3

On February 26, 2007, IPL requested the Emission Unit 70 control equipment description be revised to accurately reflect the current design. All reference to Emission Unit 70 control equipment in the description box in Section D.1, Section E and Section F of the permit are revised as shown below for Condition A.3(e). In addition, limestone, gypsum and coal conveying and handling are added to Condition A.3 and new Sections D.7 and D.8 of the existing Part 70 Operating Permit as follows:

A.3 Emissions 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 emissions units and pollution control devices:

...

- (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. ~~Also Unit 70 is~~ **Unit 70 is** equipped with low NO_x burners, **SCR and a FGD scrubber**. 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.

...

- (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 L-1 and L-2, using bin vents LC-1 and LC-2 as control, and exhausting to stack/vent LSV-1 and LSV-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L-1 and L-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 BM-1 and BM-2. The ball mill grinding mills are located in a covered building. Approved**

for construction in 2006. Under 40 CFR 60.670, Subpart OOO, BM-1 and BM-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) Five (5) 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. Under 40 CFR 60.670, Subpart OOO, T-4 is considered an affected facility.
- (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.

SECTION D.7

EMISSIONS UNITS OPERATION CONDITIONS

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

- (n) Limestone transfer from truck(s)/loader(s) 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 L-1 and L-2, using bin vents LC-1 and LC-2 as control, and exhausting to stack/vent LSV-1 and LSV-2. Maximum throughput of 230,000 tons of limestone per year. Approved for construction in 2006. Under 40 CFR 60.670, Subpart OOO, L-1 and L-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 BM-1 and BM-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, BM-1 and BM-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) Five (5) 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. Under 40 CFR 60.670, Subpart OOO, T-4 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.7.1 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 two (2) limestone storage silos, identified as L-1 and L-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 five (5) 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.

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 L-1 and L-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 L-1 and L-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 L-1 and L-2, combined with the unrestricted potential to emit from emission units T-1, T-2, T-3, 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.

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.

Compliance Determination Requirements

D.7.4 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 and OES 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.7.5 Visible Emissions Notations

- (a) Visible emission notations of the limestone storage silo stack/vent LSV-1 and LSV-2 exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) **Visible emission notations of the transfer points for the five (5) covered limestone conveyors, identified as T-2 and of the transfer points for the five (5) 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.7.6 Parametric Monitoring

The Permittee shall record the pressure drop across LC-1 and LC-2, at least once per day. When for any one reading, the pressure drop is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions 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.7.7 Broken or Failed Bag Detection

- (a) **For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. 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.7.8 Record Keeping Requirements

- (a) To document compliance with Condition D.7.5, the Permittee shall maintain the following:
 - (1) Records of daily visible emission notations of the limestone storage silo stack/vent LSV-1 and LSV-2 exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
 - (2) Records of weekly visible emission notations of the transfer points for the five (5) covered limestone conveyors, identified as T-2, and of the transfer points for the five (5) 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.7.6, the Permittee shall maintain:

Daily records of the pressure drop across LC-1 and LC-2. The Permittee shall include in its daily 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.7.9 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 L-1 and L-2, the two (2) enclosed wet ball mills (grinding mills), identified as BM-1 and BM-2, and the five (5) 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 60.7, the Permittee shall submit all required notifications and reports to:

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue

Indianapolis, IN 46221

D.7.10 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 L-1 and L-2, the two (2) enclosed wet ball mills (grinding mills), identified as BM-1 and BM-2, and the five (5) covered gypsum conveyors, identified as T-4, shall each comply with the following:

§ 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.

(r) 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) or 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]

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221

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 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]

Change 4

IDEM, OAQ has an updated mail address. The change in mail address affects Conditions B.9, B.10, B.11, B.15, B.17, B.19, B.21, B.23, C.8, C.10, C.19, C.21, F.7, the Certification Report Form and the Emergency Occurrence Report Form as follows:

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

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

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

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

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

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

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

Change 5

IDEM, OAQ and OES have updated Condition C.1920 (General Record Keeping Requirements) as follows:

C.1920 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC

2-3]

- ...
- (c) If there is a ~~reasonable possibility that a~~ “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, ~~other than projects at a Clean Unit (or at a source with Plant-wide 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 (ll)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
- (i) Baseline actual emissions;
- (ii) Projected actual emissions;
- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); and
- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

Change 6

The March 20, 2007 dust control plan, required by 326 IAC 6-5-1(b), is included as Condition C.5 with all subsequent Section C conditions renumbered to reflect the addition.

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.

Change 7

Records need to be kept of all visible emission notations. If visible emission notations are not taken for some reason, then a record needs to be kept of why the record was not taken, e.g. unit not operating that day. As a result Conditions D.1.15, D.2.15, D.4.3, D.4.4, D.5.3 and D.5.4 of the Part 70 permit are revised as follows:

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.1.13 and D.1.14, the Permittee shall maintain records in accordance with (1) through (6) 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 9, Unit 10 and Units GT1, GT2 and GT3;
- (2) Data and results from the most recent stack test;
- (3) All continuous opacity monitoring data, pursuant to 326 IAC 3-5;

- (4) 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);**
- (5) The results of all Method 9 visible emission readings taken during any periods of COM downtime;
- (6) All ESP parametric monitoring readings.

D.2.15 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.2.9, D.2.10, D.2.12, D.2.13 and D.2.14, 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, D.2.7, and D.2.14:
 - (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).**

D.4.3 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 exhausting to the atmosphere~~. A trained employee shall record whether emissions are normal or abnormal.

...

D.4.4 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.4.3, 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).**

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 ~~while in operation or unloading coal~~. A trained employee shall record whether emissions are normal or abnormal.

...

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).**

Change 8

The calendar quarter reporting form for distillate oil consumption in Unit 9 and Unit 10 and the calendar quarter reporting form for distillate oil consumption for Units GT1, GT2 and GT3 each contain a typographical error which has been corrected as follows:

Quarter Month : _____ Year: _____

Conclusion and Recommendation

The staff recommends to the Administrator that this Part 70 Significant Permit Modification 097-23699-00033 be approved.

**Appendix A: Emission Calculations
Nonmetallic Mineral Transfer
(T-1, T-3 & T-5)**

**Company Name: Indianapolis Power & Light Company - Harding Street Generating Station
Address City IN Zip: 3700 South Harding Street, Indpls., IN 46217
Part 70 Operating Permit No.: 097-6566-00033
Significant Source Modification No.: 097-21938-00033
Significant Permit Modification No.: 097-23699-00033
Reviewer: M. Caraher
Date: April 17, 2007**

The following calculations determine the amount of emissions created by loading and unloading of nonmetallic minerals and coal, based on 8760 hours of use and AP-42, Ch 13.2.4 (November 2006).

$E_f = k \cdot (0.0032)^k \cdot (U/5)^{1.3} / (M/2)^{1.4}$
 where $k =$ (particle size multiplier)
 $U =$ mile/hr mean wind speed
 $M =$ % material moisture content
 $E_f =$ emission factor in pounds per ton

		Limestone	Gypsum	Coal	
amount transferred (tons/yr)		230000	414000	2500000	
k	PM	0.74	0.74	0.74	
	PM10	0.35	0.35	0.35	
	PM2.5	0.053	0.053	0.053	
U (mi/hr)		7.9	7.9	7.9	
M (%)		1	7	13.6	
Ef (lbs/ton) for PM		0.01133	0.00074	0.00029	
Ef (lbs/ton) for PM10		0.00536	0.00035	0.00014	
Ef (lbs/ton) for PM2.5		0.00081	0.00005	0.00002	
uncontrolled PTE					Totals
PM (tons/yr)		1.30	0.15	0.37	1.82
PM10 (tons/yr)		0.62	0.07	0.17	0.86
PM2.5 (tons/yr)		0.09	0.01	0.03	0.13

Derivation of emission factor(s) based on AP-42, Ch 13.2.4 (November 2006).
 Material moisture content based on the IPL application & AP-42 Table 13.2.4-1.
 Uncontrolled PTE = amount transferred (tons/yr) x emission factor (lbs/ton) x ton/2000 lbs.

**Appendix A: Emission Calculations
Conveyor Transfer
(T-2, T-4 & T-6)**

Company Name: Indianapolis Power & Light Company - Harding Street Generating Station
Address City IN Zip: 3700 South Harding Street, Indpls., IN 46217
Part 70 Operating Permit No.: 097-6566-00033
Significant Source Modification No.: 097-21938-00033
Significant Permit Modification No.: 097-23699-00033
Reviewer: M. Caraher
Date: April 17, 2007

The following calculations determine the amount of emissions created by conveyor transfer of nonmetallic minerals and coal, based on 8760 hours of use and AP-42, Ch 13.2.4 (November 2006).

$E_f = k \cdot (0.0032)^k \cdot (U/5)^{1.3} \cdot (M/2)^{1.4}$
 where $k =$ [redacted] (particle size multiplier)
 $U =$ [redacted] mile/hr mean wind speed
 $M =$ [redacted] % material moisture content
 $E_f =$ [redacted] emission factor in pounds per ton

		Limestone	Gypsum	Coal	
amount transferred (tons/yr)		230000	414000	250000	
number of conveyors		7	5	5	
k	PM	0.74	0.74	0.74	
	PM10	0.35	0.35	0.35	
	PM2.5	0.053	0.053	0.053	
U (mi/hr)		1	1	1	
M (%)		1	7	13.6	
Ef (lbs/ton) for PM		0.00077	0.00005	0.00002	
Ef (lbs/ton) for PM10		0.00036	0.00002	0.00001	
Ef (lbs/ton) for PM2.5		0.00006	0.00000	0.00000	
uncontrolled PTE					Totals
PM (tons/yr)		0.62	0.05	0.12	0.80
PM10 (tons/yr)		0.29	0.02	0.06	0.38
PM2.5 (tons/yr)		0.04	0.00	0.01	0.06

Derivation of emission factor(s) based on AP-42, Ch 13.2.4 (November 2006).
 Material moisture content based on the IPL application & AP-42 Table 13.2.4-1.
 U = wind speed, set to 1mph as conveyors are enclosed (if set to zero, Ef = zero).
 Uncontrolled PTE = amount transferred (tons/yr) x emission factor (lbs/ton) x ton/2000 lbs.

Appendix A: Emission Calculations

2 Limestone Storage Silos

& Emissions Summary

Company Name: Indianapolis Power & Light Company - Harding Street Generating Station
Address City IN Zip: 3700 South Harding Street, Indpls., IN 46217
Part 70 Operating Permit No.: 097-6566-00033
Significant Source Modification No.: 097-21938-00033
Significant Permit Modification No.: 097-23699-00033
Reviewer: M. Caraher
Date: April 17, 2007

Each Silo Storage Capacity (tons)
630

Maximum Annual Throughput (tons)
230000

Controlled Design Exhaust
0.01 gr/dscf

Air Flow Rate acfm (each)
1000

Bin Vent control eff (%)
99

	Pollutant							Combined HAP
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	
Emission Factor in lbs/ton	0.65	0.65	0.65	0.00	0.00	0.00	0.00	0.00
Emission Factor in lbs/hr	17.12	17.12	17.12	0.00	0.00	0.00	0.00	0.00
Potential Emission in tons/yr	75.00	75.00	75.00	0.00	0.00	0.00	0.00	0.00
Potential Emission in tons/yr								
Materials Transfer	1.82	0.86	0.13					
Conveyer Transfer	0.80	0.38	0.06					
Total Project PTE in tons/yr	77.62	76.24	75.19					
FGD Project Limited Potential to Emit in tons/yr								
Materials Transfer	1.82	0.86	0.13					
Conveyer Transfer	0.80	0.38	0.06					
Silo Storage	1.65	1.65	1.65					
Total Project Limited PTE in tons/yr	4.27	2.89	1.84					

Potential Emissions in tons/yr = (2 silos x 1000 ft³/min x 0.01 gr/dscf x 60 min/hr x 1 lb/7000 gr x 8760 hr/yr x ton/2000 lbs) / (1 - control eff)

Emission Factor in lb/hr = PTE in tons/yr x 2000 lbs/ton x 1 yr/8760 hr

Emission Factor in lbs/ton = PTE in tons/yr x 2000 lbs/ton x yr/maximum annual throughput

Silo Storage hourly limited PTE = NSPS limit of 0.022 gr/dscf x exhaust air flow rate x 60 min/hr x lb/7000 gr = 0.1886 pounds per hour

Silo Storage limited PTE = NSPS limit of 0.022 gr/dscf x exhaust air flow rate x 60 min/hr x 8760 hr/yr x ton/2000 lbs x lb/7000 gr x 2 silo exhausts =1.65 tons per year