INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: June 24, 2009

RE: University of Notre Dame / 141-26998-00013

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

Notice of Decision: Approval – Effective Immediately

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

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

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

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

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:
(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

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

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

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible 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
FNTVOP.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

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PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

University of Notre Dame du Lac
100 Facilities Building
Notre Dame, Indiana 46556

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit Renewal No.: T 141-26998-00013	
Original Signed by: Tripurari Sinha Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: June 23, 2009 Expiration Date: June 23, 2014

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary power plant for heating purposes and a dry cleaning operation.

Source Address:	100 Facilities Building, Notre Dame, Indiana, 46556
Mailing Address:	100 Facilities Building, Notre Dame, Indiana, 46556
General Source Phone Number:	(574) 631-6594
SIC Code:	8221
County Location:	St. Joseph
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major, under PSD Rule; Major Source, Section 112 of the Clean Air Act

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

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

(a) One (1) No. 6 fuel oil or natural gas fired boiler, constructed in 1961, identified as B-1, with a single low NOx burner and Economizer installed in 2006, and with a maximum design capacity of 137 MMBtu per hour heat input, exhausting to stack S-1.

(b) Two (2) coal or natural gas fired boilers, constructed in 1952, identified as B-2 and B-3, with maximum design capacity of 96 MMBtu per hour heat input, each, each equipped with low NOx burners when using natural gas, and one (1) pulse jet fabric filter baghouse, identified as PJFF-1, for particulate control when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boilers B-2 and B-3 are controlled as needed by a lime sorbent injection system (SI-1) and a powdered activated carbon injection system (SI-2), respectively. The opacity is measured by a certified continuous opacity monitor identified as COM1 when combusting coal, exhausting to stack S-1.

(c) One (1) coal, No. 2 fuel oil, or natural gas fired boiler, constructed in 1966, identified as B-4, with a maximum design capacity of 234 MMBtu per hour heat input, equipped with one (1) pulse jet fabric filter baghouse, identified as PJFF-2, for particulate control when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boiler B-4 are controlled as needed by a lime sorbent injection system (SI-1) and a powdered activated carbon injection system (SI-2), respectively. The opacity is measured by a certified continuous opacity monitor, identified as COM2, when combusting coal and/or oil, exhausting to stack S-2.

(d) One (1) No. 2 fuel oil or natural gas boiler, constructed in 1973, identified as B-5, with a maximum design capacity of 244.5 MMBtu per hour heat input, equipped with low NOx burners for natural gas and fuel oil, exhausting to stack S-3.

(e) Two (2) diesel-fired generators, constructed in 1953, identified as G-3 and G-4, with maximum design capacity of 13.70 MMBtu per hour heat input, each, exhausting to stacks S-4 and S-5, respectively.

(f) Three (3) diesel-fired generators, constructed in 2005, identified as G-8, G-9 and G-10, each with a maximum rated capacity of 2,593 brake horsepower , exhausting to stacks S-6, S-7 and S-8, respectively.

(g) Dry cleaning operations, constructed in 1991 and 1998, identified as DC-1 and DC-2 respectively, consisting of two (2) dry-to-dry systems using perchloroethylene, with a maximum amount of 1.0 gallon per day disposed of or sold. The air-perchloroethylene gas-vapor streams are routed through two (2) refrigerated condensers for control. DC-1 and DC-2 are existing, affected area sources under NESHAP, 40 CFR 63, Subpart M.

(h) One (1) natural gas fired boiler, constructed in 2006, identified as B-6, with a maximum design capacity of 249 MMBtu per hour heat input, equipped with a low NOx burner and flue gas recirculation (FGR), using No. 2 fuel oil as a backup fuel, exhausting to stack S-9, monitored by certified COM and NOx CEM.

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

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

(a) One (1) underground diesel fuel storage tank for which a construction permit was issued in 2003 for generators G-8, G-9 and G-10, identified as UST, with maximum storage capacity of 30,000 gallons and storing diesel fuel with a maximum true vapor pressure less than 15 kilo Pascal (kPa). [326 IAC 12-1]

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

(e) Other activities or categories not previously identified that have emissions equal to or less than insignificant thresholds [326 IAC 6-3-2]

(1) Long and short term coal storage piles, totaling 10.33 acres;

(2) One (1) 1200 ton coal handling facility;

(3) One (1) 450 ton coal bunker for boilers B-2 and B-3;

(4) One (1) 250 ton coal bunker for boiler B-4;

(5) Underground storage tanks: four at 50,000 gallons for No. 2 fuel oil; five at 20,000 gallons for No. 6 fuel oil, one at 20,000 gallons for diesel fuel;

(6) Five (5) 300 gallon diesel fuel day tanks for G-3, G-4, G-8, G-9 and G-10; and

(7) One (1) Maintenance Shop paint booth.

(f) One (1) lime sorbent storage silo, identified as Silo 1, equipped with one (1) bin vent filter (BVF-1).

(g) One (1) powdered activated carbon (PAC) sorbent storage silo, identified as Silo 2, equipped with one (1) bin vent filter (BVF-2).

(h) One (1) fly and bottom ash storage silo, identified as Ash Silo, equipped with one (1) bin vent filter (Ash Silo Bin Vent Filter).

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22); and

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T141-26998-00013, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

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

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

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

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

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

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

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

and

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

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

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

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

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

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T141-7412-00013 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.

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

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

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

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

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

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

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

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

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

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

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

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 (for sources located in NA areas).

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

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

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation, except as provided otherwise in the Section D requirements.

(b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.

(c) In the event that a breakdown of a COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

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

(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COMS is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, (and 40 CFR 60 and/or 40 CFR 63).

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

(a) The Permittee shall 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 is down for maintenance or repairs, the following shall be used as an alternative to continuous data collection:

(1) Whenever the NOx continuous emission monitoring system is malfunctioning or down for repairs or adjustments, the Permittee shall record appropriate operational data, (e.g., excess O2 (%), fuel oil burner pressure, and gas burner pressure) to enable a demonstration of continual compliance with applicable emissions limitations during the monitor downtime. In the event of an extended period of monitor downtime and when possible based on operational needs, the Permittee will shut down the affected emissions source.

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 that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.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 shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

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

C.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; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.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, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.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 purpose of fee assessment.

The statement must be submitted to:

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

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

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

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

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165 (a)(6)(vi)(A), 40 CFR 51.165 (a)(6)(vi)(B), 40 CFR 51.166 (r)(6)(vi)(a), and/or 40 CFR 51.166 (r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee)) 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)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq)) 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

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

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

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for a project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3).

(4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

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

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.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) No. 6 fuel oil or natural gas fired boiler constructed in 1961, identified as B-1, with a single low NOx burner and Economizer installed in 2006, and with a maximum design capacity of 137 MMBtu per hour heat input, exhausting to stack S-1.

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

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

D.1.1 Particulate Matter Limitation (PM) [326 IAC 6.5-7]

(a) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from boiler B-1 shall not exceed 0.087 pounds per million British thermal units heat input.

(b) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from boilers B-1 through B-5 shall not exceed a total of 118.7 tons per year.

D.1.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.

D.1.3 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty (30%) 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.

D.1.4 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations), the SO_2 emissions from boiler B-1 shall not exceed one and six tenths (1.6) pounds per MMBtu heat input when combusting No. 6 fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for boiler B-1.

Compliance Determination Requirements

D.1.6 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that when combusting fuel oil in B-1, the sulfur dioxide emissions do not exceed the equivalent of 1.6 pounds per MMBtu, 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, with the prior approval of the department, modify the procedures specified in 326 IAC 3-7-4(a), use alternate equivalent procedures, or 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 326 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.

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

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

(a) Visible emission (VE) notations from the boiler, identified as Boiler B-1 exhausting to stack S-1, shall be performed once per day during normal daylight operations when Boiler B-1 is the only boiler exhausting to stack S-1, and it is combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.1.8 Record Keeping Requirements

(a) To document compliance Condition D.1.4, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Condition D.1.4.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.1.7, the Permittee shall maintain records of visible emission notations of stack exhaust from stack S-1. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(b) Two (2) coal or natural gas fired boilers, constructed in 1952, identified as B-2 and B-3, with maximum design capacity of 96 MMBtu per hour heat input, each, each equipped with low NOx burners when using natural gas, and one (1) pulse jet fabric filter baghouse, identified as PJFF-1, for particulate control on each when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boilers B-2 and B-3 are controlled as needed by lime sorbent injection system (SI-1) and powdered activated carbon injection system (SI-2), respectively. The opacity is measured by a certified continuous opacity monitor identified as COM1 when combusting coal, exhausting at stack S-1.

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

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

D.2.1 Particulate Matter Limitation (PM) [326 IAC 6.5-7]

(a) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from each boilers B-2 and B-3 shall not exceed 0.28 pounds per million British thermal units heat input.

(b) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from boilers B-1 through B-5 shall not exceed a total of 118.7 tons per year.

D.2.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.

D.2.3 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty (30%) 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.

D.2.4 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from each of the boilers B-2 and B-3 shall not exceed 6.0 pounds per million British thermal units of heat input. Compliance shall be demonstrated on a calendar month average.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for boilers B-2 and B-3 and their control devices.

Compliance Determination Requirements

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

Within 180 days upon initial operation of the baghouse PJFF-1, compliance with the PM limitations in Condition D.2.1 shall be determined by a performance stack test conducted while B-2 and B-3 are combusting coal utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing

D.2.7 Continuous Opacity Monitoring [326 IAC 3-5] [40 CFR 64]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the continuous opacity monitoring system (COM1) used for measuring opacity from B-2 and/or B-3 when combusting coal shall be calibrated, maintained, and operated for measuring opacity which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) The continuous opacity monitoring system (COM1) is subject to the monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate the continuous opacity monitoring system (COM1) pursuant to 326 IAC 3-5.

D.2.8 Particulate Control [326 IAC 2-7-6(6)] [40 CFR 64]

In order to comply with condition D.2.1 the pulse jet fabric filter baghouse, PJFF-1 for particulate control shall be in operation and control emissions from Boiler B-2 and B-3 at all times that these facilities are in operation and combusting coal.

D.2.9 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(c)(2), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of six (6.0) pounds per MMBtu from each boiler, B-2 and B-3, when combusting coal, or when combusting coal simultaneously with another fuel, using a thirty (30) day calendar 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 3-7-2(b)(2) and 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring; or

(3) The Permittee shall meet the minimum sampling requirements specified in 326 IAC 3-7-2(b)(3), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2 (c), (d) and (e).

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

D.2.10 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

While boilers B-2 and/or B-3 are operating and combusting coal:

(a) In the event of opacity exceeding twenty percent (20%) average opacity for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken in accordance with Section C - Response to Excursions and 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 may include, but are not limited to, boiler loads being reduced.

(b) Opacity readings in excess of twenty percent (20%) for boilers B-2 and B-3 when combusting coal, are not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation of this permit.

D.2.11 Parametric Monitoring - Baghouses

(a) The Permittee shall record the pressure drop across the baghouse, identified as PJFF-1, used in conjunction with the two (2) coal or natural gas fired boilers, identified as B-2 and B-3, at least once per day when any boiler is combusting coal. When for any one reading, the pressure drop across the baghouse is outside the normal range of 5 to 9 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.

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

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

D.2.12 Record Keeping Requirements

(a) To document compliance with Section C – Opacity, Section C – Maintenance of Continuous Opacity Monitoring Equipment, and Conditions D.2.1, D.2.2 and D.2.7, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.2.1 and D.2.2.

(1) Data and results from the most recent stack test.

(2) All continuous opacity monitoring data (COM1), pursuant to 326 IAC 3-5-6.

(3) The results of Method 9 visible emission readings taken at stack S-1 during any periods of COM1 downtime.

(b) To document compliance with Condition D.2.4, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 limits as established in Condition D.2.4.

(1) All fuel sampling and analysis data, pursuant to 326 IAC 7-2.

(2) Actual fuel usage since last compliance determination period.

(c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall have 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.

(d) To document compliance with Condition D.2.11, the Permittee shall maintain a daily record of the pressure drop across the pulse jet fabric filter baghouse (PJFF-1). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day or was not operated on coal).

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

D.2.13 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.2.1 in any compliance period when coal was combusted shall be submitted to the address listed in Section C - General Reporting Requirements, within thirty (30) days after the end of the quarter being reported.

(b) A quarterly report of opacity exceedances during coal combustion operation of boilers B-2 and/or B-3, to document compliance with Conditions D.2.1 and D.2.10, shall be submitted to the address listed in Section C - General Reporting Requirements, within thirty (30) days after the end of the quarter being reported.

(c) For boilers B-2 and B-3, a quarterly report of the calendar month average coal sulfur content, coal heat content, and sulfur dioxide emission rate in pounds per million Btus and the total monthly coal consumption shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported to document compliance with Condition D.2.9. [326 IAC 7-2-1(c)(2]

(d) Pursuant to 326 IAC 3-5-7(5), reporting of continuous monitoring system (COM1) instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(1) Date of downtime.

(2) Time of commencement.

(3) Duration of each downtime.

(4) Reasons for each downtime.

(5) Nature of system repairs and adjustments.

(e) The reports submitted by the Permittee for (a) through (d) above require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(c) One (1) coal, No. 2 fuel oil, or natural gas fired boiler, constructed in 1966, identified as B-4, with a maximum design capacity of 234 MMBtu per hour heat input, equipped with one (1) pulse jet fabric filter baghouse, identified as PJFF-2, for particulate control when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boilers B-4 are controlled as needed by lime sorbent injection system (SI-1) and powdered activated carbon injection system (SI-2), respectively. Opacity is measured by a certified continuous opacity monitor, identified as COM2, when combusting coal and/or oil, exhausting to stack S-2.

(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 Particulate Matter Limitation (PM) [326 IAC 6.5-7]

(a) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emission limitations for boiler B-4 shall not exceed 0.17 pounds per million British thermal units heat input.

(b) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from boilers B-1 through B-5 shall not exceed a total of 118.7 tons per year.

D.3.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.

D.3.3 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1-2] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from boiler B-4 shall not exceed the following limits:

(a) Six and zero-tenths (6.0) pounds per million British thermal units of heat input when combusting coal and oil simultaneously. Compliance shall be demonstrated on a calendar month average.

(b) Five-tenths (0.5) pounds per million British thermal units of heat input when combusting distillate fuel only. Compliance shall be demonstrated on a calendar month average.

D.3.4 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty percent (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty percent (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty percent (30%) 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.

D.3.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for boiler B-4 and its control devices.

Compliance Determination Requirements

D.3.6 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

In order to determine compliance with the PM limitation, the Permittee shall perform PM testing before October 31, 2013 on the pulse jet fabric filter baghouse, identified as PJFF-2, controlling Boiler B-4 while combusting coal, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

D.3.7 Particulate Control [326 IAC 2-7-6(6)] [40 CFR 64]

In order to comply with conditions D.3.1 the pulse jet fabric filter baghouse, PJFF-2 for particulate control shall be in operation and control emissions from Boiler B-4 at all times that Boiler B-4 is combusting coal.

D.3.8 Continuous Opacity Monitoring [326 IAC 3-5] [40 CFR 64]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the continuous opacity monitoring system (COM2) for boiler B-4, when combusting fuel oil or coal, shall be calibrated, maintained, and operated for measuring opacity which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) The continuous opacity monitoring system (COM2) is subject to the monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate the continuous opacity monitoring system (COM2) pursuant to 326 IAC 3-5.

D.3.9 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(c)(2), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of six (6.0) pounds per MMBtu from boiler B-4 when combusting coal, or when combusting coal simultaneously with another fuel, using a calendar month 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 3-7-2(b)(2) and 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring; or

(3) The Permittee shall meet the minimum sampling requirements specified in 326 IAC 3-7-2(b)(3), and sample preparation and analysis shall be performed as specified in 326 IAC 3-7-2 (c), (d) and (e).

D.3.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3][326 IAC 7-2][326 IAC 7-1.1-2]

Compliance shall be determined for boiler B-4 when using distillate oil (No.2 fuel oil), or fuel oil in combination with natural gas, by utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per MMBtu by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification, or analyses from approved modified procedures specified in 326 IAC 3-7-4(a), or the use of alternate equivalent procedures, as implemented;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or

(b) Conducting a stack test for sulfur dioxide emissions from boiler B-4 when using distillate fuel, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

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

D.3.11 Parametric Monitoring - Baghouses

The Permittee shall record the pressure drop across the baghouse, identified as PJFF-2, used in conjunction with boiler B-4, at least once per day when boiler is combusting coal. When for any one reading, the pressure drop across the baghouse is outside the normal range of 5 to 9 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, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.3.12 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

While boiler B-4 is operating and combusting coal or fuel oil;

(a) In the event of opacity exceeding twenty percent (20%) for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken in accordance with Section C - Response to Excursions and 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, adjustment of flue gas conditioning rate.

(b) Opacity readings in excess of twenty percent (20%) for boiler B-4 are not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions and Exceedances, shall be considered a deviation of this permit.

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

D.3.13 Record Keeping Requirements

(a) To document compliance with Section C – Opacity, Section C – Maintenance of Continuous Opacity Monitoring Equipment, and Conditions D.3.1, D.3.8 and D.3.12, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits established in Section C - Opacity and in Conditions D.3.1, D.3.8 and D.3.12.

(1) Data and results from the most recent stack test.

(2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5-6.

(3) The results of all visible emission (VE) notations readings taken during any periods of COM2 downtime.

(b) To document compliance with Condition D.3.3(a), the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limits as established in Conditions D.3.3(a).

(1) All fuel sampling and analysis data, pursuant to 326 IAC 7-2.

(2) Actual fuel usage since last compliance determination period.

(c) To document compliance with Condition D.3.3(b), the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Conditions D.3.3(b).

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(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.

(e) To document compliance with Condition D.3.11, Parametric Monitoring, the Permittee shall maintain a daily record of the pressure drop across the pulse jet fabric filter baghouse (PJFF-2). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day or did not operate on coal).

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

D.3.14 Reporting Requirements

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document compliance with Conditions D.3.1, D.3.2, D.3.3, D.3.4, D.3.8, D.3.9, D.3.10, D.3.11. and D.3.12 shall be submitted to the address listed in Section C - General Reporting Requirements, 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.

(b) A quarterly report of the calendar month average coal sulfur content, coal heat content, and sulfur dioxide emission rate in pounds per million Btus and the total monthly coal consumption shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported to document compliance with D.3.9 and D.3.10. [326 IAC 7-2-1(c)(2]

(c) Pursuant to 326 IAC 3-5-7(5), reporting of continuous monitoring system (COM2) instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(1) Date of downtime.

(2) Time of commencement.

(3) Duration of each downtime.

(4) Reasons for each downtime.

(5) Nature of system repairs and adjustments.

(d) The reports submitted by the Permittee for (a) through (c) above require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(d) One (1) No. 2 fuel oil or natural gas boiler constructed in 1973, identified as B-5, with a maximum design capacity of 244.5 MMBtu per hour heat input, equipped with low NOx burners for natural gas and fuel oil, exhausting to stack S-3.

(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 Limitation (PM) [326 IAC 6.5-7]

(a) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emission limitations for boiler B-5 shall not exceed 0.02 pounds per million British thermal units heat input.

(b) Pursuant to 326 IAC 6.5-7-16 (Particulate emission limitations for sources in St. Joseph County), PM emissions from boilers B-1 through B-5 shall not exceed a total of 118.7 tons per year.

D.4.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.

D.4.3 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty (30%) 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.

D.4.4 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1-2] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from boiler B-5 shall not exceed 0.5 pounds per million British thermal units of heat input when using distillate oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.4.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for boiler B-5.

Compliance Determination Requirements

D.4.6 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3][326 IAC 7-2][326 IAC 7-1.1-2]

Compliance with Condition D.4.4 shall be determined for boiler B-5 when using distillate oil (No.2 fuel oil), or fuel oil in combination with natural gas, by utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per MMBtu heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification, or analyses from approved modified procedures specified in 326 IAC 3-7-4(a), or the use of alternate equivalent procedures, as implemented;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or

(b) Conducting a stack test for sulfur dioxide emissions from boiler B-5 when using distillate fuel, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

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

D.4.7 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) Visible emission (VE) notations from the boiler, identified as Boiler B-5 exhausting to stack S-3, shall be performed once per day during normal daylight operations when burning oil. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

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

D.4.8 Record Keeping Requirements

(a) To document compliance with Condition D.4.6, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Condition D.4.6.

(1) Calendar dates covered in the compliance determination period;

(2) Calendar month average sulfur content, fuel consumption, and sulfur dioxide emission rate in pounds per MMBtu;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content, and heat content of the fuel oil.

(b) To document compliance with Condition D.4.7, the Permittee shall maintain a daily record of visible emission notations of stack exhaust from stack S-3. 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 or did not operate on oil).

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

SECTION D.5 FACILITY OPERATION CONDITIONS

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

(e) Two (2) diesel-fired generators constructed in 1953, identified as G-3 and G-4, with maximum design ratings of 13.70 MMBtu per hour heat input each, exhausting to stacks S-4 and S-5, respectively.

(f) Three (3) diesel-fired generators, constructed in 2005, identified as G-8, G-9 and G-10, each with a maximum rated capacity of 2,593 brake horsepower, exhausting to stacks S-6, S-7 and S-8, respectively.

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

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

D.5.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued on April 30, 2003, and 326 IAC 2-2-2 (PSD requirements: Applicability) in order to render the requirements of 326 IAC 2-2 PSD not applicable for PM_{10} emissions, the combined fuel usage from the diesel-fired generator units (G-8, G-9, and G-10) shall be limited to less than 3,076,600 gallons of diesel fuel per twelve (12) consecutive month period, with compliance determined at the end of each month. PM_{10} emissions shall not exceed 0.0097 lb PM_{10}/gallon diesel oil burned. This usage limit will limit PM_{10} (including filterable and condensable) emissions from the diesel-fired generators (G-8, G-9 and G-10) combined to less than 15 tons per year.

D.5.2 PSD Limit [326 IAC 2-2-5] [326 IAC 2-2-6]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued April 30, 2003, and 326 IAC 2-2-5 and 2-2-6 (PSD Requirements: Air quality impacts and increment consumption);

(a) NO_X emissions from each diesel-fired generator unit (G-8, G-9, and G-10) shall be controlled using retarded ignition timing, and shall not exceed 37.44 pounds per hour.

(b) SO_2 emissions from each diesel-fired generator unit (G-8, G-9, and G-10) shall not exceed 6.7 pounds per hour.

D.5.3 Particulate Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from each of the diesel fired generators (G-8, G-9, and G-10) shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

D.5.4 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to the agreed order 04-A-J-3402 and 326 IAC 6-3-2, the particulate emission rate for generators G-3 and G-4 shall be determined by the table in 326 IAC 6-3-2(e) or the following equation:

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

D.5.5 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.

D.5.6 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty (30%) 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.

D.5.7 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1-1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), SO_2 emissions from each diesel-fired generators (G-3, G-4, G-8, G-9 and G-10) shall not exceed five tenths (0.5) pounds per MMBtu heat input. Pursuant to 326 IAC 7-2-1(c)(3), compliance with this emission limitation shall be demonstrated on a calendar month average sulfur content, heat content, fuel consumption, and sulfur dioxide emission rate in pounds per million Btus (lb/MMBtu).

D.5.8 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 these generators.

Compliance Determination Requirements

D.5.9 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

No testing is required for these generators unless the fuel usage for generators G-8, G-9 and G-10 is greater than 2,461,280 gallons of diesel fuel per twelve (12) consecutive month period. If diesel fuel usage is greater than 2,461,280 gallons of diesel fuel per twelve (12) consecutive month period, the Permittee shall perform PM_{10} testing within one hundred and eighty (180) days utilizing methods as approved by the Commissioner. In the event that the fuel usage threshold is re-triggered during any other 12 consecutive month period, retesting shall not be required, provided that no modifications have been made to the engines which may significantly change the emission profile. Testing shall be conducted in accordance with Section C - Performance Testing. PM_{10} includes filterable and condensable PM.

D.5.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued April 30, 2003, for generators G-8, G-9, and G-10, and this permit for G-3 and G-4, compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions from each of the diesel-fired generators do not exceed five-tenths (0.5) pounds per million Btu heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or analyses from approved modified procedures specified in 326 IAC 3-7-4(a), or the use of alternate equivalent procedures, as implemented;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the diesel-fired generators (G-3, G-4, G-8, G-9 and G-10), using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

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

D.5.11 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) Visible emission (VE) notations from the diesel-fired generators, identified as G-3, G-4, G-8, G-9 and G-10, respectively exhausting to stacks (S-4, S-5, S-6, S-7 and S-8 respectively) 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 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 the boiler.

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

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

D.5.12 Record Keeping Requirements

(a) To document compliance with Condition D.5.1, the Permittee shall record the monthly fuel usage of the diesel-fired generators (G-8, G-9, and G-10) combined. The records shall be complete and sufficient to establish compliance with the PM_{10} limit established in Condition D.5.1.

(b) To document compliance with Condition D.5.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly, and shall be complete and sufficient to establish compliance with the SO_2 emission limits established in Condition D.5.2.

(1) Calendar dates covered in the compliance determination period;

(2) Calendar month average sulfur content, fuel consumption, and sulfur dioxide emission rate in pounds per MMBtu;

(3) Actual diesel fuel usage since last compliance determination period and equivalent SO_2 emissions; and

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and,

(6) A statement from the fuel supplier that certifies the sulfur content of the diesel fuel.

(c) To document compliance with Condition D.5.11, the Permittee shall maintain a daily record of visible emission notations of stack exhaust from stacks S-4, S-5, S-6, S-7, and S-8. 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) All records shall be maintained in accordance with Section C - General Record Keeping.

D.5.13 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.5.1 and D.5.7 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or 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).

National Emission Standards for Hazardous Air Pollutants (NESHAP)

D.5.14 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A]

(a) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

D.5.15 Stationary Reciprocating Internal Combustion Engines NESHAP [326 IAC 20-7-1] [40 CFR 63, Subpart ZZZZ]

Pursuant to 40 CFR 63, Subpart ZZZZ, the source shall comply with the provisions of 40 CFR 63, Subpart ZZZZ, which is incorporated by reference as 326 IAC 20-82-1, for the Stationary Reciprocating Internal Combustion Engines, G-8, G-9 & G-10. 40 CFR 63, Subpart ZZZZ is specified as follows:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585
(3) 40 CFR 63.6590
(4) 40 CFR 63.6595(a)(3)
(5) 40 CFR 63.6600 Table 2A
(6) 40 CFR 63.6620
(7) 40 CFR 63.6625(b)
(8) 40 CFR 63.6630
(9) 40 CFR 63.6635
(10) 40 CFR 63.6640
(11) 40 CFR 63.6645(b)
(12) 40 CFR 63.6650
(13) 40 CFR 63.6655

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(g) Dry cleaning operations, constructed in 1991 and 1998, identified as DC-1 and DC-2 respectively, consisting of two (2) dry-to-dry systems using perchloroethylene, with a maximum amount of 1.0 gallon per day disposed of or sold. The air-perchloroethylene gas-vapor streams are routed through two (2) refrigerated condensers for control. DC-1 and DC-2 are existing, affected area sources under NESHAP, 40 CFR 63, Subpart M.

(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 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR 63, Subpart A]

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart M.

D.6.2 Perchloroethylene Dry Cleaning Facilities NESHAP [326 IAC 20-7-1][40 CFR 63, Subpart M]

(a) The dry cleaning facilities, identified as DC-1 and DC-2, are subject to 40 CFR 63, Subpart M, which is incorporated by reference as 326 IAC 20-7-1.

(b) The Permittee shall comply with the following conditions:

(1) Route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser or an equivalent control device as determined according to the procedures listed in 40 CFR 63.325;

(2) Close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and keep the door closed at all other times;

(3) Operate and maintain each dry cleaning system according to the manufacturer's specifications and recommendations; and

(4) Store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks.

(c) Each refrigerated condenser:

(1) Shall be operated to not vent or release the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating; and

(2) Shall be operated with a diverter valve, if air can pass through the refrigerated condenser when the machine door is open.

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

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

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

D.6.4 Monitoring [40 CFR 63.322 and 63.323]

(a) The Permittee shall minimize leaks of perchloroethylene by the following steps:

(1) Inspect the following components weekly for perceptible leaks while the dry cleaning system is operating:

(A) Hose and pipe connections, fittings, couplings, and valves;
(B) Door gaskets and seatings;
(C) Filter gaskets and seatings;
(D) Pumps;
(E) Solvent tanks and containers;
(F) Water separators;
(G) Muck cookers;
(H) Stills;
(I) Exhaust dampers;
(J) Diverter valves; and
(K) Cartridge filter housings.

(2) Repair all perceptible leaks detected during the inspections required in (1) within 24 hours. If repair parts must be ordered, either a written or verbal order for those parts shall be initiated within two (2) working days of detecting such a leak. Such repair parts shall be installed within five (5) working days after receipt.

(b) The Permittee shall measure the temperature of the air-perchloroethylene gas-vapor stream on the outlet side of each refrigerated condenser weekly during the last cool down cycle prior to opening the machine door, with a temperature sensor to determine if it is equal to or less than 7.2 ^{o}C (45°F). The temperature sensor shall be used according to the manufacturer's instruction and shall be designed to measure a temperature of 7.2^{o}C (45 ^{o}F) to an accuracy of ±1.1^{o}C (±2°F).

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

D.6.5 Record Keeping Requirement [40 CFR 63.323(d), 63.324(d) & (e)]

(a) The Permittee shall keep receipts of perchloroethylene purchases and a log of the following information and maintain such information on site and show upon request for a period of five (5) years:

(1) The volume of perchloroethylene purchased each month by the dry cleaning facility as recorded from perchloroethylene purchases; if no perchloroethylene is purchased during a given month then the Permittee would enter zero gallons into the log;

(2) The calculation and result of the yearly perchloroethylene consumption determined on the first day of each month performed as follows:

(A) Sum the volume of all perchloroethylene purchases made in each of the previous twelve (12) months, as recorded in the log described in Condition D.6.5(a)(1).

(B) If no perchloroethylene purchases were made in a given month, then the perchloroethylene consumption for that month is zero gallons.

(C) The total sum calculated is the yearly perchloroethylene consumption at the facility.

(3) The dates when the dry cleaning system components are inspected for perceptible leaks, as specified in Condition 6.4(a)(1), and the name or location of dry cleaning system components where perceptible leaks are detected;

(4) The dates of repair and records of written or verbal orders for repair parts associated with leak repair and any temperature adjustments, to demonstrate compliance with Condition 6.4(a)(2) and (b); and

(5) The date and temperature sensor monitoring results including actions taken to correct temperature exceedances for each refrigerated condenser, as specified in Condition 6.4(b).

(b) The Permittee shall retain onsite a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility.

(c) To document compliance with Condition D.6.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

(d) All records shall be maintained in accordance with Section C - General Record Keeping.

D.6.6 Reporting Requirements

Should the high twelve month rolling total of perchloroethylene purchases exceed 2,100 gallons, the Permittee shall notify the IDEM, OAQ of this change in facility status.

This report shall be submitted to:

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

SECTION D.7 FACILITY OPERATION CONDITIONS

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

(h) One (1) natural gas fired boiler, constructed in 2006, identified as B-6, with a maximum design capacity of 249 MMBtu per hour heat input, equipped with a low NOx burner and flue gas recirculation (FGR), using No. 2 fuel oil as a backup fuel, exhausting to stack S-9, monitored by certified COM and NOx CEM.

(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 Limitation (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (b)(3), total PM emissions from Boiler B-6 shall not exceed 0.15 pounds per MMBtu heat input when combusting No. 2 fuel oil, or 0.01 grains per dry standard cubic foot when combusting natural gas.

D.7.2 Particulate Matter (PM_{10}) Emission Limitations [326 IAC 2-2-6]

Pursuant to 326 IAC 2-2-5 and 2-2-6 (PSD Requirements), PM_{10} emissions from Boiler No. 6 shall be limited to less than 0.014 lb/MMBtu and 15.58 tons per twelve (12) month consecutive period when burning No. 2 fuel oil or 0.008 lb/MMBtu and 8.29 tons per twelve (12) month consecutive period when burning natural gas.

D.7.3 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.

D.7.4 Temporary Alternative Opacity Limitations [326 IAC 5-1]

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

(a) When building a new fire in a boiler, or shutting down a boiler, opacity may exceed thirty (30%); however, opacity levels shall not exceed sixty percent (60%) for any six (6) minute averaging period. Opacity in excess of thirty (30%) shall not continue for more than two (2) six (6) minute averaging periods in any twenty-four (24) hour period.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed thirty (30%); however, opacity shall not exceed sixty percent (60%) for any six (6) minute averaging period and opacity in excess of thirty (30%) 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.

D.7.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Boiler No. 6.

D.7.6 Sulfur Dioxide Emission Limitations [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), SO_2 emissions from Boiler B-6 shall be limited to less than 0.5 pounds per MMBtu and 545.31 tons per twelve month consecutive period when burning No. 2 fuel oil.

D.7.7 Carbon Monoxide Emission Limitations [326 IAC 2-2-5][326 IAC 2-2-6]

Pursuant to 326 IAC 2-2-5 and 326 IAC 2-2-6 (PSD Requirements), CO emissions from Boiler B-6 shall be limited to 0.295 lb/MMBtu and 321.73 tons per twelve (12) month consecutive period when burning No. 2 fuel oil or 0.084 lb/MMBtu and 91.61tons per twelve (12) month consecutive period when burning natural gas.

D.7.8 Nitrogen Oxide Emission Limitations [326 IAC 2-3]

When burning natural gas, the NOx emissions rate shall not exceed 0.036 lb/MMBtu based on operation with low NOx burners and necessary flue gas recirculation.

Overall NOx emissions are limited to less than 40 tons per twelve (12) month consecutive period for gas and oil firing combined, as determined by the continuous emissions monitoring system (CEMS) or other means approved by the Department.

New Source Performance Standards (NSPS)

D.7.9 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR Part 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to Boiler B-6 except when otherwise specified in 40 CFR Part 60, Subpart Db.

D.7.10 New Source Performance Standards per [40 CFR 60.40b, Subpart Db]

Pursuant to 40 CFR 60, Subpart Db, the following limitations apply:

(a) Pursuant to 40 CFR 60.44b(a), the NOx emissions from Boiler B-6 shall not exceed 0.20lb/MMBtu.

(b) Pursuant to 40 CFR 60.44b(f), opacity may not exceed 20%.

(c) Only very low sulfur fuel (no greater than 0.5%) will be combusted in the unit.

(d) Pursuant to 40 CFR 60.43b(b), particulate matter emissions shall not exceed 0.10 lb/MMBtu.

Compliance Determination Requirements

D.7.11 Fuel Oil Sulfur Content Limit

To demonstrate compliance with condition D.6.5 when Boiler B-6 combusts fuel oil, the sulfur content of the fuel oil combusted shall not exceed 0.5 percent by weight. Sulfur content will be demonstrated to have met this limit pursuant to 326 IAC 3-7-4. During No. 2 fuel oil combustion, Boiler B-6 will combust only very low sulfur oil as defined in 40 CFR Part 60, Subpart Db.

D.7.12 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(c)(3), the Permittee shall demonstrate that when combusting fuel oil in Boiler No. 6, the sulfur dioxide emissions do not exceed the equivalent of 0.5 pounds per MMBtu, 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, with the prior approval of the department, modify the procedures specified in 326 IAC 3-7-4(a), use alternate equivalent procedures, or 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 326 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.

D.7.13 Continuous Emissions Monitoring [326 IAC 3-5]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), the continuous opacity monitoring system (COM) and the continuous emission monitoring system (CEM) for boiler B-6, when combusting fuel oil or natural gas, shall be calibrated, maintained, and operated for measuring opacity and NOx emissions, respectively, which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) The continuous opacity monitoring system (COM) and the continuous emission monitoring system (CEM) are subject to the monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Except as noted in Condition C.11 (Maintenance of Continuous Opacity Monitoring Equipment) and Condition C.12 (Maintenance of Continuous Emission Monitoring Equipment) regarding VE and NOx alternative monitoring, nothing in this permit shall excuse the Permittee from complying with the requirements to operate the continuous opacity monitoring system (COM) and the continuous emission monitoring system (CEM) pursuant to 326 IAC 3-5.

Record Keeping and Reporting Requirements

D.7.14 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document compliance with Condition D.7.6, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Condition D.7.6.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) Boiler B-6 is subject to applicable emissions limitations provided in 40 CFR Part 60, Subpart Db. Compliance will be demonstrated in accordance with Subpart Db provisions.

(c) To document compliance with D.7.8, D.7.10 and D.7.13 the Permittee shall maintain records of the results of continuous opacity monitoring (COM) and the continuous emission monitoring (CEM) systems.

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

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description [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) One (1) underground diesel fuel storage tank permitted in 2003 for generators G-8, G-9, and G-10, identified as UST, with maximum storage capacity of 30,000 gallons and storing diesel fuel with maximum true vapor pressure less than 15 kilo Pascal (kPa). [326 IAC 12-1]

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]

(e) One (1) lime sorbent storage silo (Silo 1) , equipped with one (1) bin vent filter (BVF-1). [326 IAC 6.5-1-2]

(f) One (1) powdered activated carbon (PAC) sorbent storage silo (Silo 2) , equipped with one (1) bin vent filter (BVF-2). [326 IAC 6.5-1-2]

(g) One (1) fly and bottom ash storage silo (Ash Silo) , equipped with one (1) bin vent filter (Ash Silo Bin Vent Filter). [326 IAC 6.5-1-2]

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

D.8.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued April 30, 2003, the provisions of 40 CFR 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to one (1) underground diesel fuel storage tank, identified as UST, described in this section except when otherwise specified in 40 CFR 60 Subpart Kb.

D.8.2 Standards of Performance for Volatile Organic Liquid Storage Vessels [326 IAC 12] [40 CFR 60.116b]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued April 30, 2003, the one underground diesel storage tank, identified as UST, shall comply with New Source Performance Standards (NSPS), 326 IAC 12 (40 CFR Part 60.116b, Subpart Kb). 40 CFR 60.116b, paragraphs (a) and (b) require the Permittee to maintain accessible records showing the dimensions of each storage vessel and an analysis showing the capacity of the storage vessel. Records shall be kept for the life of the storage tank.

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

D.8.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.8.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120° F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.8.5 Particulate Matter Limitation (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(g), the particulate matter emissions from the lime sorbent storage silo, powdered activated carbon (PAC) sorbent storage silo and the fly and bottom ash storage silo shall not exceed 0.03 grains per dry standard cubic foot, each.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, Indiana 46556
Mailing Address: 100 Facilities Building, Notre Dame, Indiana, 46556
Part 70 Permit No.: T141-26998-00013

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

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

PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, Indiana 46556
Mailing Address: 100 Facilities Building, Notre Dame, Indiana, 46556
Part 70 Permit No.: T141-26998-00013

This form consists of 2 pages **Page 1 of 2**

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

- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, Indiana 46556
Mailing Address: 100 Facilities Building, Notre Dame, Indiana, 46556
Part 70 Permit No.: T141-26998-00013

Months: _____ to _____ Year: _____

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".	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, Indiana 46556
Mailing Address: 100 Facilities Building, Notre Dame, Indiana, 46556
Part 70 Permit No.: T141-26998-00013
Facility: Boilers (B-2, B-3, and B-4)
Parameter: SO_2 emissions, coal analysis (B-2, B-3, B-4), coal usage (B-2, B-3, B-4)
Limit: SO_2 emissions from each boiler shall not exceed 6.0 pounds per million Btu when using coal.

QUARTER: YEAR:

Month	(A)	(B)	[2 X (A) X 2000] / [(B)
	Monthly Average Coal Sulfur Content* (%)	Monthly Average Coal Heat Content* (MMBtu/lb)	Equivalent Sulfur Dioxide Emissions (lb/MMBtu)
Month 1			
Month 2			
Month 3			

* Calculate the weighted sulfur and heat content for coal based on weighted average of daily coal usage

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, Indiana 46556
Mailing Address: 100 Facilities Building, Notre Dame, Indiana, 46556
Part 70 Permit No.: T141-26998-00013
Facility: Diesel fired generators, G-3, G-4, G-8, G-9, and G-10
Parameter: Sulfur Dioxide (SO_2)
Limit: 0.5 pounds per million Btu heat input

QUARTER: YEAR:

Month	Monthly Average Fuel Oil Sulfur Content (%)	Monthly Average Fuel Oil Heat Content (MMBtu/gallon)	Fuel Oil Consumption (Total Gallons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)
Month 1				
Month 2				
Month 3				

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: University of Notre Dame du Lac
Source Address: 100 Facilities Building, Notre Dame, IN 46556
Mailing Address: 100 Facilities Building, Notre Dame, IN 46556
Part 70 Permit No.: T141-26998-00013
Facility: G-8, G-9 and G-10
Parameter: Total Combined Fuel Usage (gallons per 12 consecutive month period.)
Limit: 3,076,600 gallons of diesel per 12 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 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document (TSD)
Part 70 Operating Permit Renewal

Source Description and Location

Source Name:	University of Notre Dame du Lac
Source Location:	100 Facilities Building, Notre Dame, IN 46556
County:	St. Joseph
SIC Code:	8221, 7212
Permit Renewal No.:	T 141-26998-00013
Permit Reviewer:	Heath Hartley

Public Notice Information

On April 27, 2009, the Office of Air Quality (OAQ) had a notice published in the South Bend Tribune in South Bend, Indiana, stating that the University of Notre Dame du Lac had applied for a Part 70 Operating Permit Renewal. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments Received

OAQ received comments from the following people (and groups of people):

- University of Notre Dame du Lac

The comments are summarized in the subsequent pages, with IDEM's corresponding responses.

The IDEM does not amend the Technical Support Document (TSD). The TSD is maintained to document the original review. This addendum to the TSD is used to document comments, responses to comments and changes made from the time the permit was drafted until a final decision is made.

University of Notre Dame du Lac Comments and IDEM's Responses

On May 27, OAQ received comments from Charles Farrell, of the University of Notre Dame du Lac. The summary of the comments and IDEM, OAQ responses including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

Company Comment 1:

1. The Table of Contents for the permit requires updating to match the final permit requirements, as follows:
   a) D.1.7 "Opacity Determination" should be deleted and the D.1 permit sections that follow should be renumbered.

   b) D.2.7 "Continuous Emissions Monitoring" should be corrected to "Continuous Opacity Monitoring".

c) D.4.7 "Opacity Determination" should be deleted and the D.4 permit sections that follow should be renumbered.

d) In the permit itself, D.5.1 was separated into D.5.1 and a new D.5.2 but the Table of Contents still needs to be updated to include the new D.5.2 "PSD Limit". The D.5 permit sections that follow should be renumbered.

e) D.5.10 "Opacity Determination" should be deleted and the D.5 permit sections that follow should be renumbered.

f) D.7.14 "Opacity Determination" should be deleted and the D.7 permit sections that follow should be renumbered.

g) The report listing of "Quarterly Report - Fuel Usage for Generators G-1, G-2, G-8, G-9, and G-10" incorrectly refers to "G-1 and G-2". The correct emission unit IDs for this report are "G-3, G-4, G-8, G-9, and G-10".

h) All page numbers in the Table of Contents require updating.

IDEM Response 1:

a) D.1.7 is already correct in the current version of the permit

b) "Continuous Emissions Monitoring" will be corrected to "Continuous Opacity Monitoring"

c) D.4.7 is already correct in the current version of the permit

d) D.5.1 and D.5.2 are already correct in the current version of the permit

e) D.5.10 is already correct in the current version of the permit

f) D.7.14 is already correct in the current version of the permit

g) G-1 and G-2 has been corrected to G-3 and G-4.

h) Page numbers are already correct in the current version of the permit

Company Comment 2:

2. The University has previously commented that Permit Condition D.2.6 "Testing Requirements" should include for clarity the word "initial" in the first sentence as follows: "Within 180 days upon *initial* operation of the baghouse PJFF-1, ..." The revision will clarify that this is a one time performance stack test for this new control device.

IDEM Response 2:

IDEM agrees and condition D.2.6 has been revised as follows:

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

Within 180 days upon **initial** operation of the baghouse PJFF-1, compliance with the PM limitations in Condition D.2.1 shall be determined by a performance stack test conducted while B-2 and B-3 are combusting coal utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing

Company Comment 3:

3. Permit Condition D.5.2 "PSD Limit" includes a lone "(2)" following the text of the condition which should be deleted.

IDEM Response 3:

IDEM agrees and condition D.5.2 has been revised as follows:

D.5.2 PSD Limit [326 IAC 2-2-5] [326 IAC 2-2-6]

Pursuant to PSD Significant Source Modification 141-15828-00013, issued April 30, 2003, and 326 IAC 2-2-5 and 2-2-6 (PSD Requirements: Air quality impacts and increment consumption);

.....

(b) SO_2 emissions from each diesel-fired generator unit (G-8, G-9, and G-10) shall not exceed 6.7 pounds per hour.
~~(2)~~

Company Comment 4:

4. In the TSD, "State Rule Applicability - Entire Source" Section for 326 IAC 2-2 (PSD), the Paragraph (a) heading inappropriately includes G-3 and G-4 with the heading. The heading should be corrected to "2003 Modification - Generators G-8, G-9, and G-10" because Generators G-3 and G-4 were not modified or installed as a part of the 2003 Modification and are not applicable to the PSD Minor Limit.

IDEM Response 4:

This comment is correct that G-3 and G-4 should not have been included in the 2003 Modification heading in the "State Rule Applicability - Entire Source" section of the TSD. However, IDEM does not amend the Technical Support Document (TSD). The TSD is maintained to document the original review. This addendum to the TSD is used to document comments, responses to comments and changes made from the time the permit was drafted until a final decision is made.

IDEM Contact

Questions regarding this proposed permit can be directed to:

Heath Hartley
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension 2-8217
Or dial directly: (317) 232-8217
hhartley@idem.in.gov

Please refer to Part 70 Operating Permit Renewal No. T 141-26998-00013 in all correspondence.

Indiana Department of Environmental Management
Office of Air Quality
and Northern Regional Office

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	University of Notre Dame du Lac
Source Location:	100 Facilities Building, Notre Dame, IN 46556
County:	St. Joseph
SIC Code:	8221, 7212
Permit Renewal No.:	T 141-26998-00013
Permit Reviewer:	Heath Hartley

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from the University of Notre Dame du Lac relating to the operation of a stationary power plant for heating purposes and a dry cleaning operation.

History and Existing Approvals

On September 17, 2008, University of Notre Dame du Lac submitted an application to the OAQ requesting to renew its operating permit. University of Notre Dame du Lac was issued a Part 70 Operating Permit on June 30, 2004.

Since the issuance of the Part 70 Operating Permit 141-7412-00013 on June 30, 2004, the source has constructed or has been operating under the following approvals:

(a) Significant Permit Modification No. 141-24424-00013 issued on February 26, 2008;
(b) Minor Source Modification No. 141-24306-00013 issued on April 10, 2007;
(c) Significant Permit Modification No. 141-22724-00013 issued on September 28, 2006;
(d) Minor Permit Modification No. 141-21977-00013 issued on February 21, 2006;
(e) Significant Permit Modification No. 141-20402-00013 issued on September 6, 2005; and
(f) Significant Source Modification No. 141-20012-00013 issued on August 24, 2005.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Permitted Emission Units and Pollution Control Equipment

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

(a) One (1) No.6 fuel oil or natural gas fired boiler, constructed in 1961, identified as B-1, with a single low NOx burner and Economizer installed in 2006, and with a maximum design capacity of 137 MMBtu per hour heat input, exhausting to stack S-1.

(b) Two (2) coal or natural gas fired boilers, constructed in 1952, identified as B-2 and B-3, each with maximum design capacity of 96 MMBtu per hour heat input, each equipped with low NOx burners when using natural gas, and one (1) pulse jet fabric filter baghouse, identified as PJFF-1, for particulate control when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boilers B-2 and B-3 are controlled as needed by lime sorbent injection system (SI-1) and powdered activated carbon injection system (SI-

2), respectively. The opacity is measured by a certified continuous opacity monitor identified as COM1 when combusting coal, exhausting to stack S-1.

(c) One (1) coal, No.2 fuel oil, or natural gas fired boiler, constructed in 1966, identified as B-4, with a maximum design capacity of 234 MMBtu per hour heat input, equipped with one (1) pulse jet fabric filter baghouse, identified as PJFF-2, for particulate control when combusting coal. The hydrogen chloride (HCl) and mercury (Hg) emissions from boiler B-4 are controlled as needed by lime sorbent injection system (SI-1) and powdered activated carbon injection system (SI-2), respectively. The opacity is measured by a certified continuous opacity monitor, identified as COM2, when combusting coal and/or oil, exhausting to stack S-2.

(d) One (1) No.2 fuel oil or natural gas boiler, constructed in 1973, identified as B-5, with a maximum design capacity of 244.5 MMBtu per hour heat input, equipped with low NOx burners for natural gas and fuel oil, exhausting to stack S-3.

(e) Two (2) diesel-fired generators, constructed in 1953, identified as G-3 and G-4, with maximum design capacity of 13.70 MMBtu per hour heat input, each, exhausting to stacks S-4 and S-5, respectively.

(f) Three (3) diesel-fired generators, constructed in 2005, identified as G-8, G-9 and G-10, each with a maximum rated capacity of 2,593 brake horsepower , exhausting to stacks S-6, S-7 and S-8, respectively.

(g) Dry cleaning operations, constructed in 1991 and 1998, identified as DC-1 and DC-2 respectively, consisting of two (2) dry-to-dry systems using perchloroethylene, with a maximum amount of 1.0 gallon per day disposed of or sold. The air-perchloroethylene gas-vapor streams are routed through two (2) refrigerated condensers for control. DC-1 and DC-2 are existing, affected area sources under NESHAP, 40 CFR 63, Subpart M.

(h) One (1) natural gas fired boiler, constructed in 2006, identified as B-6, with a maximum design capacity of 249 MMBtu per hour heat input, equipped with a low NOx burner and flue gas recirculation (FGR), using No. 2 fuel oil as a backup fuel, exhausting to stack S-9, monitored by certified COM and NOx CEM.

Insignificant Activities

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

(a) One (1) underground diesel fuel storage tank permitted in 2003 for generators G-8, G-9 and G-10, identified as UST, with maximum storage capacity of 30,000 gallons and storing diesel fuel with a maximum true vapor pressure less than 15 kilo Pascal (kPa). [326 IAC 12-1]

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

(d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

(e) Other activities or categories not previously identified that have emissions equal to that or less than insignificant thresholds [326 IAC 6-3-2]

(1) Long and short term coal storage piles, totaling 10.33 acres;

(2) One (1) 1200 ton coal handling facility;

(3) One (1) 450 ton coal bunker for boilers B-2 and B-3;

(4) One (1) 250 ton coal bunker for boiler B-4;

(5) Underground storage tanks: four at 50,000 gallons for No. 2 fuel oil; five at 20,000 gallons for No. 6 fuel oil, one at 20,000 gallons for diesel fuel;

(6) Five (5) 300 gallon diesel fuel day tanks for G-3, G-4, G-8, G-9 and G-10; and

(7) One (1) Maintenance Shop paint booth.

(f) One (1) lime sorbent storage silo, identified as Silo 1, equipped with one (1) bin vent filter (BVF-1).

(g) One (1) powdered activated carbon (PAC) sorbent storage silo, identified as Silo 2, equipped with one (1) bin vent filter (BVF-2).

(h) One (1) fly and bottom ash storage silo, identified as Ash Silo, equipped with one (1) bin vent filter (Ash Silo Bin Vent Filter).

Enforcement Issue

There are no enforcement actions pending.

County Attainment Status

The source is located in St. Joseph County.

Table 1: County Attainment Status	
Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective July 19, 2007, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
$PM_{2.5}$	Unclassifiable or attainment effective April 5, 2005.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including St. Joseph County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.	

(a) Ozone Standards

(1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, St. Joseph as attainment for the 8-hour ozone standard.

(3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.

(4) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_X) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO_X emissions are considered when evaluating the rule applicability relating to ozone. St. Joseph County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO_X emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(b) St. Joseph County has been classified as attainment for $PM_{2.5}$. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions, and the effective date of these rules was July 15th, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions until 326 IAC 2-2 is revised.

(c) St. Joseph County has been classified as attainment or unclassifiable for PM_{10}, SO_2, NO_2, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Since this source is classified as having Fossil Fuel Boilers (totaling more than 250 MMBtu/hour), it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(e) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the total unrestricted potential emissions of the source:

Table 2: Unrestricted Potential Emissions

Pollutant	**Emissions** (ton/yr)
CO	Greater than 100
NO_X	Greater than 100
PM	Greater than 100
PM_{10}	Greater than 100
SO_2	Greater than 100
VOC	Less than 100
Single HAP	Greater than 10
Combination HAPs	Greater than 25

(a) The Permittee has agreed that they are major for Part 70 Permits 326 IAC 2-7.

(b) 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) and subject to 326 IAC 2-7.

(c) Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are counted toward the determination of Part 70 applicability.

(d) These emissions are based upon the Title V Operating Permit No. T 141-7412-00013 issued June 30, 2004.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

Table 3: Potential to Emit (tons/year)						
Process/ Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**
Source Wide Emissions	**> 100**	**> 100**	**> 100**	**< 100**	**> 100**	**> 100**
PSD Major Source Threshold	**100**	**100**	**100**	**100**	**100**	**100**

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

Federal Rule Applicability Determination

(a) Boilers B-1, B-2, B-3, B-4, and B-5 are not subject to the requirements of the New Source Performance Standard, 40 CFR 60, Subparts D (Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971) and Da (Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978), which is incorporated by reference as 326 IAC 12, because these units have maximum continuous ratings of less than 250 MMBtu per hour and were constructed prior to September 18, 1978.

(b) Boiler B-6 is subject to the requirements of the New Source Performance Standard, 326 IAC 12, 40 CFR 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) because it was constructed in 2006.

Nonapplicable portions of the NSPS will not be included in the permit. Boiler B-6 is subject to the following portions of Subpart Db:

(1) 40 CFR 60.40b
(2) 40 CFR 60.41b
(3) 40 CFR 60.42b(j)
(4) 40 CFR 60.43b(b)
(5) 40 CFR 60.44b(a) & (f)
(6) 40 CFR 60.46b
(7) 40 CFR 60.48b
(8) 40 CFR 60.49b

(c) The underground diesel fuel tank UST for generators G-8, G-9, and G-10, is subject to the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb (Standards of Performance for Storage Vessels for Volatile Organic Liquids), which is incorporated by reference as 326 IAC 12.

Nonapplicable portions of the NSPS will not be included in the permit. Tank UST is subject to the following portions of Subpart Kb:

(1) 40 CFR 60.110b
(2) 40 CFR 60.111b
(3) 40 CFR 60.112b

(4) 40 CFR 60.113b
(5) 40 CFR 60.114b
(6) 40 CFR 60.115b
(7) 40 CFR 60.116b
(8) 40 CFR 60.117b

(d) The dry cleaning operations, DC-1 and DC-2, are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 20-7, 40 CFR 63, Subpart M (National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities).

Nonapplicable portions of the NESHAP will not be included in the permit. Dry cleaning operations, DC-1 and DC-2, are subject to the following portions of Subpart M:

(1) 40 CFR 63.320
(2) 40 CFR 63.321
(3) 40 CFR 63.322
(4) 40 CFR 63.323
(5) 40 CFR 63.324
(6) 40 CFR 63.325
(7) 40 CFR 63.326

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart M.

(e) Generators G-8, G-9 and G-10 are subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), which is incorporated by reference as 326 IAC 20-82.

Nonapplicable portions of the NESHAP will not be included in the permit. Generators G-8, G-9 and G-10 are subject to the following portions of Subpart ZZZZ:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585
(3) 40 CFR 63.6590
(4) 40 CFR 63.6595(a)(3)
(5) 40 CFR 63.6600 Table 2A
(6) 40 CFR 63.6620
(7) 40 CFR 63.6625(b)
(8) 40 CFR 63.6630
(9) 40 CFR 63.6635
(10) 40 CFR 63.6640
(11) 40 CFR 63.6645(b)
(12) 40 CFR 63.6650
(13) 40 CFR 63.6655

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart ZZZZ.

G-3 and G-4 are existing CI units and therefore exempt per 40 CFR 63.6590(b)(3).

(f) Compliance Assurance Monitoring (CAM)
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:

Table 4: CAM Applicability Analysis

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (ton/yr)	Controlled PTE (ton/yr)	Major Source Threshold (ton/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
Boiler B-1 – PM_{10}	None	N	< 100	< 100	100	N	N/A
Boiler B-2 – PM_{10} (When combusting coal)	Baghouse PJFF-1	N	> 100	< 100	100	N	N
Boiler B-2 – PM (When combusting coal)	Baghouse PJFF-1	Y	> 100	< 100	100	Y	N
Boiler B-3 – PM_{10} (When combusting coal)	Baghouse PJFF-1	N	> 100	< 100	100	N	N
Boiler B-3 – PM (When combusting coal)	Baghouse PJFF-1	Y	> 100	< 100	100	Y	N
Boiler B-4 – PM_{10} (When combusting coal)	Baghouse PJFF-2	N	> 100	< 100	100	N	N
Boiler B-4 – PM (When combusting coal)	Baghouse PJFF-2	Y	> 100	< 100	100	Y	N
Boiler B-5 – PM_{10}	None	N	< 100	< 100	100	N	N/A
Boiler B-6 – PM_{10}	None	N	< 100	< 100	100	N	N/A

Based on this evaluation, the requirements of 40 CFR Part 64, CAM is applicable to Boilers B-2, B-3 & B-4 for Particulate Matter upon issuance of this Title V Renewal. A CAM plan will be incorporated into this Part 70 permit renewal.

Since Boilers B-1, B-5 & B-6 do not use control equipment to control emissions, the requirements of 40 CFR Part 64, CAM are not applicable to B-1, B-5 & B-6.

(g) This source is not subject to the requirements of the Acid Rain Program (40 CFR 72), because the source does not produce electricity for sale.

State Rule Applicability - Entire Source

The following state rules are applicable to the source:

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
The Source was a major source for PSD on August 7, 1977 because emissions of one regulated pollutant were more than 100 tons per year.

(a) 2003 Modification - Generators G-8, G-9 and G-10
PSD Minor Limit

(1) The total fuel usage for diesel-fired generator units G-8, G-9, and G-10 shall be less than 3,076,600 gallons per twelve consecutive month period and PM_{10} emissions shall not exceed 0.0097 lb per gallon.

(2) Compliance with these emission limits will ensure that the emissions of PM_{10} are less than fifteen (15) tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable to generators G-8, G-9 and G-10.

(3) The uncontrolled PM emissions are less than 25 tons per year. Therefore no PSD limit was required for PM emissions.

(b) Increment Consumption [326 IAC 2-2-5] [326 IAC 2-2-6]

(1) NO_X emissions from each diesel-fired generator unit (G-8, G-9, and G-10) shall be controlled using retarded ignition timing, and shall not exceed 37.44 pounds per hour.

(2) SO_2 emissions from each diesel-fired generator unit (G-8, G-9, and G-10) shall not exceed 6.7 pounds per hour.

(c) 2005 Modification - Boiler B-6
For B-6, constructed in 2005, based on the potential emissions after controls, a PSD air quality analysis was triggered for SO_2, PM_{10}, and CO. NO_x and VOC emissions are less than 40 tons per year therefore, no air quality analysis is required for NO_x or VOCs. The PSD air quality impact analysis determined that modeling concentrations did not exceed significant impact levels for PM_{10}, CO and SO_2.

Since there are no modeled violations of the NAAQS, no additional limits are required for Boiler B-6.

326 IAC 2-6 (Emission Reporting)
Since this source has a potential to emit SO_2 greater than or equal to 2,500 tons per year, an emission statement covering the previous calendar year must be submitted by July 1 of each year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)
The source is located in the area north of Kern Road and east of Pine Road. Therefore, 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 this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined by 326 IAC 5-1-4.

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

326 IAC 6-4 (Fugitive Dust Emissions)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the Permittee shall be in violation of 326 IAC 6-4 (Fugitive Dust Emissions) if any of the criteria specified in 326 IAC 6-4-2(1) though (4) are violated pursuant to 326 IAC 6-4-5(c). Observations of visible emissions crossing the property line of the source at or near ground level must be made by a qualified representative of IDEM.

State Rule Applicability – Individual Facilities

326 IAC 6.5-7 (Particulate Matter Emission Limitations – St. Joseph County)
Pursuant to 6.5-7-16, the source shall meet the following emission limitations:

Table 5: Emissions Limits – Particulate Matter			
Boiler:	MMBtu/hr	lb/MMBtu	Tons/year
B-1	137	0.087	118.7
B-2 & B-3	96	0.28	
B-4	234	0.17	
B-5	244.5	0.02	

326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations)
Pursuant to 7-1.1-2, the source sulfur dioxide emissions from fuel combusition emissions units shall be limited as follows:

Table 6: Sulfur Dioxide Emission Limitations (lb/MMBtu)			
Unit:	Coal	Residual oil (No. 6)	Distillate Oil (No. 2)
B-1	-	1.6	-
B-2 & B-3*	6.0	-	-
B-4*	6.0	-	0.5
B-5	-	-	0.5
B-6	-	-	0.5
G-3	-	-	0.5
G-4	-	-	0.5
G-8	-	-	0.5
G-9	-	-	0.5
G-10	-	-	0.5

*Pursuant to 7-2-1(c)(2), fuel combustion sources with total coal-fired heat input capacity greater than one hundred (100) and less than one thousand five hundred (1,500) MMBtu per hour shall submit quarterly reports of the calendar month average coal sulfur content, coal heat content, and sulfur dioxide emission rate in pounds per MMBtu and the total monthly coal consumption.

326 IAC 6.5-1-2 (Particulate Emission Limitations)
(a) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the each of the diesel fired generators (G-8, G-9, and G-10) shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.5-1-2(g), the particulate matter emissions from the lime sorbent storage silo, powdered activated carbon (PAC) sorbent storage silo and the fly and bottom ash storage silo shall not exceed 0.03 grains per dry standard cubic foot, each.

326 IAC 6-3 (Particulate Emission Limitations)

Pursuant to the agreed order 04-A-J-3402 and 326 IAC 6-3-2, the particulate emission rate for generators G-3 and G-4 shall be determined by the table in 326 IAC 6-3-2(e) or the following equation:

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

326 IAC 8-1-6 (New Facilities; general reduction requirements)

Pursuant to 326 IAC 8-1-6 (New Facilities; general reduction requirements), the potential to emit of VOC of each emission unit does not exceed 25 tons per year per unit. Therefore, the requirements of 8-1-6 (BACT) do not apply.

326 IAC 8-3 (Organic Solvent Degreasing Operations)

326 IAC 8-3-2 and 326 IAC 8-3-5 apply to the insignificant degreasing operations.

326 IAC 10-4 (Nitrogen Oxides Budget Trading Program)

The units at this source are not subject to 326 IAC 10-4-1 because they are not “Electricity Generating Units” or “EGUs” as defined in 326 IAC 10-4-2(16) and they are not “large affected units” as defined in 326 IAC 10-4-2(27). The units are not EGUs because they do not serve a generator that has a nameplate capacity greater than twenty-five (25) megawatts and produces electricity for sale under a firm contract to the electric grid. The units are not a large affected units because they do not have a maximum design heat inputs greater than two hundred fifty million (250,000,000) Btus per hour each.

Compliance Determination and Monitoring Requirements

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

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

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

No testing is required for generators G-8, G-9 and G-10 unless the fuel usage for generators G-8, G-9 and G-10 is greater than 2,461,280 gallons of diesel fuel per twelve (12) consecutive month period. If diesel fuel usage is greater than 2,461,280 gallons of diesel fuel per twelve (12) consecutive month period, the Permittee shall perform PM_{10} testing within one hundred and eighty (180) days utilizing methods as approved by the Commissioner. In the event that the fuel usage threshold is re-triggered during any other 12 consecutive month period, retesting shall not be required, provided that no modifications have been made to the engines which may significantly change the emission profile. Testing shall be conducted in accordance with Section C - Performance Testing. PM_{10} includes filterable and condensable PM.

Since generators G-8, G-9 and G-10 have no controls for PM/PM_{10}, no further retesting shall be required during the life of these units unless the Permittee makes a significant modification to these units which may significantly change the emission profile. If the Permittee makes such a significant modification to the units, IDEM will make a determination at that time regarding the need for reevaluating the emission factors.

Table 7: Summary of Testing Requirements

Emission Unit	Control Device	Estimated Timeframe for Testing	Pollutant	Frequency of Testing	Limit or Requirement
B-2 & B-3	Pulse Jet fabric filter baghouse (PJFF-1)	Within 180 days upon operation of PJFF-1	PM	Every 5 years	0.28 lb/mmBtu
B-4	Pulse jet fabric filter baghouse (PJFF-2)	October 31, 2013	PM	Every 5 years	0.17 lb/mmBtu

*No ongoing testing required for B-1, B-5 and B-6.

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

Table 8: Summary of Compliance Monitoring Requirements				
Control (Coal fired only)	**Parameter**	**Frequency**	**Response Trigger**	**Response Action**
B-2 & B-3 (PJFF-1)	Pressure Drop	Once per Day	Outside normal operating range	Response Steps
B-4 (PJFF-2)	Pressure Drop	Once per Day	Outside normal operating range	
B-2 & B-3 Continuous Monitoring System (COM1)	Opacity	Continuous	> 30% any 6 minute interval	
B-4 Continuous Monitoring System (COM2)	Opacity	Continuous	> 30% any 6 minute interval	
B-1 & B-5	Visible Emissions (when combusting fuel oil only)	Once per Day	Normal / Abnormal	
B-6 (COM)	Opacity	Continuous	> 30% any 6 minute interval	

Conclusion

The operation of this power plant for campus heating, cooling and electric generation purposes and a dry cleaning operation shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T 141-26998-00013.

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on September 17, 2008.

IDEM Contact

Questions regarding this proposed permit can be directed to:

Heath Hartley
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension 2-8217
Or dial directly: (317) 232-8217
hhartley@idem.in.gov

Please refer to Part 70 Operating Permit Renewal No. T 141-26998-00013 in all correspondence.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Thomas M Stark
University of Notre Dame du Lac
100 Facilities Bldg
Notre Dame, IN 46556

DATE: June 24, 2009

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

SUBJECT: Final Decision
Title V
141-26998-00013

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
J L Lyphout, Responsible Official
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
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Toll Free (800) 451-6027
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June 24, 2009

TO: Hesburg Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: University of Notre Dame du Lac
Permit Number: 141-26998-00013

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	DPABST 6/24/2009 University of Notre Dame du lac 141-26998-00013 (Final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Thomas M Stark University of Notre Dame du lac 100 Facilities Bldg Notre Dame IN 46556-5663 (Source CAATS) (CONFIRM DELIVERY)									
2		Jame L Lyphout VP - Business Ops University of Notre Dame du lac 415 Main Bldg Notre Dame IN 46556-5663 *(RO CAATS)*									
3		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 *(Affected Party)*									
4		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 *(Affected Party)*									
5		Frank J. Cunningham Ave Maria Press PO Box 428 Notre Dame IN 46556 *(Affected Party)*									
6		Mr. Wayne Falda South Bend Tribune 255 W Colfax Ave South Bend IN 46626 *(Affected Party)*									
7		Hesburg Library 221 Hesburg Notre Dame IN 46556 *(Library)*									
8		South Bend City Council / Mayors Office 227 W. Jefferson Blvd. South Bend IN 46601 *(Local Official)*									
9		St. Joseph County Board of Commissioners 227 West Jefferson Blvd, South Bend IN 46601 *(Local Official)*									
10		St. Joseph County Health Department 227 W Jefferson Blvd, Room 825 South Bend IN 46601-1870 *(Health Department)*									
11											
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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