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

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: July 28, 2011

RE: Hoosier Energy / 153-30547-00005

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

Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was 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
FNTV-PMOD.doc 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Angie Lee
Hoosier Energy REC, Inc. - Merom Generating Station
P.O. Box 908
Bloomingtion, Indiana 47402-0908

July 28, 2011

RE: 153-30547-00005
Minor Permit Modification to
Part 70 Operating Permit No.
T153-28006-00005

Dear Ms. Lee:

Hoosier Energy REC, Inc. - Merom Generating Station was issued Part 70 Operating Permit No. T153-28006-00005 on September 8, 2010 for a stationary electric generating station. An application requesting changes to this permit was received on April 26, 2011. Pursuant to the provisions of 326 IAC 2-7-12, a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the installation of an SO3 mitigation system as described below:

(a) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

All other conditions of the permit shall remain unchanged and in effect. Please find attached, the entire Part 70 Operating Permit Renewal as modified.

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

Sincerely,

Tripurari Sinha

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

DJM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Hoosier Energy REC - Merom Generating Station
5500 West Old 54
Sullivan, Indiana 47882

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

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

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

Operation Permit No.: T 153-28006-00005	
Issued by: Original Signed by Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: September 8, 2010 Expiration Date: September 8, 2015

Minor Permit Modification No.: T 153-30547-00005	
Issued by: Tripurari Sinha Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 28, 2011 Expiration Date: September 8, 2015

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Emergency Occurrence Report

Quarterly Deviation and Compliance Monitoring Report

Fuel Usage Quarterly Report - Auxillary Boilers

Sulfur Dioxide Emission Quarterly Report - Unit1 and Unit 2

Attachment A 40 CFR 60 Subpart D -- STANDARDS OF PERFORMANCE FOR FOSSIL-FUEL-FIRED STEAM GENERATORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER AUGUST 17, 1971

Attachment B 40 CFR 60 Subpart Y-- STANDARDS OF PERFORMANCE FOR COAL PREPARATION PLANTS

Attachment C 40 CFR 60 Subpart IIII -- STANDARDS OF PERFORMANCE FOR STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES

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Attachment F 40 CFR 60 Subpart OOO -- STANDARDS OF PERFORMANCE FOR NONMETALLIC MINERAL PROCESSING PLANTS

Attachment G Acid Rain Permit

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary Electric Generating Station.

Source Address:	5500 West Old 54, Sullivan, Indiana 47882
Mailing Address:	5500 West Old 54, Sullivan, Indiana 47882
General Source Phone Number:	812-876-0370
SIC Code:	4911
ORIS Code:	6213
County Location:	Sullivan
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:

SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 1 is an affected facility.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2

fuel oil.

Unit 2 utilizes the following control equipment:

SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 2 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV2) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 2 is an affected facility.

(c) Two (2) No. 2 distillate oil-fired auxiliary boilers, constructed in 1980, each with a heat input rate of 93.0 MMBTU/hour, and exhausting to stack SV3.

(d) A coal storage and handling system, commencing construction in 1977, with a nominal throughput of 4,351,419 tons per year, consisting of the following equipment:

(1) One (1) outdoor storage area, identified as F01, with a nominal storage capacity of 1,500,000 tons, with particulate matter emissions controlled by layering and compaction and exhausting directly to the atmosphere.

(2) One (1) rail unloading (rotary car dumper) building, with a nominal throughput of 2000 tons per hour, identified as F02, controlled by being partially enclosed and exhausting directly to the atmosphere. Including the following equipment:

(i) Rotary Car Dumper
(ii) Vibrating Feeder(s)
(iii) Underground coal conveyor transfer point
(iv) Traveling hammer mill

(3) Two (2) receiving systems, where truck shipments of coal are discharged into one of the following stations:

(i) One (1) truck unloading station, which feeds a truck hopper, identified as F03, with a nominal throughput of 500 tons per hour with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere. Including the following equipment:

(A) Truck Hopper
(B) Vibrating Feeder
(C) Underground coal conveyor transfer point

(ii) One (1) truck unloading area, directly to coal storage pile(s), identified as F04, with a nominal unloading capacity of 1,000 tons per hour, which is utilized on an as needed basis, with particulate matter emissions exhausting directly to the atmosphere.

(4) One (1) breaker house with enclosed chutes, identified as F05, with a nominal throughput of 2,000 tons per hour, with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere.

(i) Conveyor transfer point(s)

(5) One (1) stockout system, identified as F06, with a nominal throughput of 2,000 tons per hour, which includes the following equipment:

(i) Enclosed conveyors CH-CV-1, CH-CV-2, and CH-CV-3,
(ii) Retractable plow, which is used for emergency purposes only, and
(iii) Lowering wells (enclosed concrete cylinder with openings at various elevations) used to control particulate matter emissions.

(6) One (1) reclaim system, identified as F07, with a combined nominal throughput of 1600 tons per hour, with particulate matter emissions controlled by partial enclosures and wet spray suppression and exhausting directly to atmosphere. Including the following equipment:

(i) Reclaim Drawdown Hoppers, 4A-1, 4A-2, 4B-1, 4B-2
(ii) Four (4) vibrating feeders
(iii) Underground coal conveyor transfer point(s)

(7) One (1) reclaim conveying system, with nominal throughput of 750 tons per hour, with particulate matter emissions controlled by enclosures. Including the following equipment:

(i) Conveyors CH-CV-4A, CH-CV-4B, CH-CV-5A, CH-CV-5B, CH-CV-6A, and CH-CV-6B

(8) One (1) emergency reclaim area, which feeds an emergency reclaim hopper, identified as F08, with a nominal throughput of 600 tons per hour, with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere. Including the following equipment:

(i) Emergency reclaim hopper
(ii) Vibrating Feeder
(iii) Underground coal conveyor transfer point(s)

(9) One (1) crusher house, identified as F09, with a combined nominal throughput of 1500 tons per hour, with particulate matter emissions controlled by a wet spray suppression and exhausting directly to atmosphere. Including the following equipment:

(i) Surge bin(s)
(ii) Vibrating feeder(s)
(iii) Two (2) enclosed crushers with bypass, with a nominal throughput of 750 tons per hour, each.
(iv) Enclosed conveyor transfer point(s)

(10) One (1) boiler building bunker area, identified as F10, with a combined nominal throughput of 1600 tons, with particulate matter emissions controlled by enclosure and dust suppression system and exhausting directly to the atmosphere. Including the following equipment:

(i) Enclosed transfer tower(s)
(ii) Enclosed conveyor transfer point(s)
(ii) Two (2) traveling tripper(s)

(11) Fugitive emissions from movement of bulk materials with dozer, front end loaders, other heavy mobile equipment.

(12) Fugitive emissions from truck hauling, on paved and unpaved roads.

Under 40 CFR Part 60, Subpart Y, the coal storage and handling system is an affected facility.

(e) Two (2) lime kiln dust silos, identified as LKD Silo 1 and LKD Silo 2, approved for construction in 2008, each with a nominal throughput of 3.75 tons per hour, with emissions controlled by LKD Silo Baghouse 1 and LKD Silo Baghouse 2, respectively, and exhausting to LKD Silo Vent 1 and LKD Silo Vent 2, respectively.

(f) One (1) limestone storage and handling system, constructed between 1978 and 1980, with a nominal throughput of 400,000 tons per year consisting of the following equipment:

(1) One (1) railcar unloading station, identified as LDU1, which feeds two (2) hoppers located in limestone track hopper (partially) enclosed structure, with a combined nominal throughput of 3,000 tons per hour.

(2) One (1) truck unloading to limestone pile, identified as LTU1 with a nominal throughput of 2,000 tons per hour, which is normally only utilized when the railcar unloading station is out of service.

(3) One (1) unloading belt conveyor identified as LU1, which is fed by two (2) hoppers via vibrating feeders, with a nominal throughput of 600 tons per hour, with a dust suppression system used to control particulate matter emissions.

(4) One (1) limestone storage pile, identified as LP1, which is fed by unloading belt conveyor via telescoping discharge spout, identified as LDP1**,** with a nominal throughput of 600 tons per hour, with a storage capacity of up to 90,000 tons of limestone.

(5) Limestone reclaim belt conveyors, identified as LRC1 and LRC2, which are fed from the limestone pile, each with a nominal throughput of 150 tons per hour.

(6) Limestone reclaim belt conveyor transfers, identified as LRCT1 and LRCT2, which transfers materials to limestone reclaim conveyor discharge chutes, each with a nominal throughput of 150 tons per hour.

(7) Located in the limestone preparation building are the following units:

(A) Limestone receiving bins, identified as LRCB1 and LRCB2, which are fed by limestone reclaim conveyor, each with a nominal throughput of 140 tons per hour, with baghouses identified as LRCB Baghouse 1 and 2 to control emissions from LRCB1 and 2, and exhausting to stacks LRCB Vent 1 and 2, respectively.

(B) One (1) enclosed crusher fed by a vibratory feeder, identified as LPC1 constructed in 2008 with a maximum capacity of 45 tons per hour, using the baghouse identified as LPC Baghouse 1 as control, and exhausting to stack LPC Vent 1.

Under 40 CFR Part 60, Subpart OOO, crusher LPC1 is an affected facility.

(C) One (1) existing enclosed crusher fed by a vibratory feeder, identified as Old LPC2 with a maximum capacity of 45 tons per hour. Old LPC2 is to be replaced with one (1) enclosed crusher, identified as LPC2. LPC2 is to be constructed in 2010 with a maximum capacity of 45 tons per hour, using a newly constructed baghouse identified as LPC Baghouse 2 as control, and exhausting to a new stack LPC Vent 2.

Under 40 CFR Part 60, Subpart OOO, crusher LPC2 is an affected facility.

(D) Limestone surge bins, identified as LSB1 and LSB2, which are fed by limestone bucket elevators, each with a nominal throughput of 45 tons per hour, using the baghouses identified as LSB Baghouse 1 and 2 to control emissions, and exhausting to stacks LSB Vent 1 and 2, respectively.

(8) Four (4) enclosed weigh belt feeders (conveyors), identified as LWB1, LWB2, LWB3, and LWB4, each with a maximum capacity of 22.5 tons per hour, which transfer limestone to four (4) enclosed wet tower mills, identified as LTM1, LTM2, LTM3, and LTM4, each with a maximum capacity of 22.5 tons per hour.

(g) Fugitive emission from movement of bulk materials with dozer, front end loaders, and other heavy equipment.

(h) Fugitive emissions from truck hauling on paved and unpaved roads.

(i) A pneumatic fly ash storage and handling system, constructed in 1977, with a nominal throughput of 1,752,000 tons of fly ash per year consisting of the following equipment:

(1) Four (4) fly ash silos, identified as Fly Ash Silos 1A, 1B, 2A, and 2B, with a nominal throughput of 100 tons per hour, each, particulate matter emissions controlled with eight (8) baghouses (two baghouses per silo), identified as Fly Ash Baghouse 1A1, 1A2, 1B1, 1B2, 2A1, 2A2, 2B1, and 2B2, and exhausted to stacks Fly Ash Silo Vent 1A1, 1A2 1B1, 1B2, 2A1, 2A2, 2B1, and 2B2, respectively.

(2) One (1) fly ash silo at IUCS, identified as Fly Ash Silo IUCS, with a nominal throughput of 75 tons per hour, particulate matter emissions controlled with a baghouse identified as Fly Ash IUCS Baghouse, and exhausting to stack Fly Ash IUCS Vent.

(3) Fugitive emissions from emergency fly ash loading into a vacuum truck at Fly Ash Silos 1A, 1B, 2A, 2B and fly ash silo IUCS and hauling to an on-site landfill.

(j) A lime kiln dust storage and handling system at IUCS, constructed in 1979, with a nominal throughput of 26,280 tons of lime kiln dust per year consisting of the following equipment;

(1) One (1) lime kiln dust silo at IUCS, identified as Lime Silo at IUCS, with a nominal throughput of 3 tons per hour, particulate matter emissions controlled with a baghouse, identified as Lime Silo IUCS Baghouse, and exhausting to stack Lime Silo IUCS Vent.

(k) A lime storage and handling system at WWT, constructed in 1977, with a nominal throughput of 109.5 tons of lime per year consisting of the following equipment.

(1) One (1) lime silo at WWT, identified as Lime Silo at WWT, with a nominal throughput of 0.0125 tons per hour, particulate matter emissions controlled with a baghouse, identified as Lime Silo WWT Baghouse, and exhausting to stack Lime Silo WWT Vent.

(l) FGD slurry handling system, constructed in 1979, with a nominal throughput of 2,628,000 tons of FGD slurry per year consisting of the following equipment:

(1) Two (2) pug mills (mixers) located at IUCS, identified as Pug Mill 1 and Pug Mill 2, with a nominal throughput of 300 tons per hour, each, particulate matter emissions controlled with a common de-dusting equipment, identified as Whirl-jet, and exhausting to stack Pug Mill Vent.

(2) Pozz-o-tec stockout system, identified as Pozz-o-tec Drop Point, with a nominal throughput of 300 tons per hour, with particulate matter uncontrolled, and exhausting directly to atmosphere.

(3) Fugitive emissions of bulk material with dozer, front end loaders, other heavy mobile equipment.

(4) Fugitive emissions from truck hauling on paved and unpaved roads.

(m) A wet bottom ash storage and handling system, constructed in 1977, with a nominal throughput of 30,160 tons of bottom ash per year consisting of the following equipment:

(1) One (1) partial enclosed bottom ash truck loadout system with four (4) Decant Bins, identified as Bottom Ash Decant Bin 1A, 1B, 2A and 2B with their own truck loadout, with a nominal throughput of 125 tons per hour, with particulate emission control by partial enclosure and exhausting directly to atmosphere.

(2) Fugitive emissions of bulk material with dozer, front end loaders, other heavy mobile equipment.

(3) Fugitive emissions from truck hauling on paved and unpaved roads.

(n) A Pozz-o-tec landfill, identified as Landfill, constructed in 2003 with emissions controlled with wet and/or dry (agent) suppression and annual coverage.

(1) Fugitive emissions of bulk material with dozer, front end loader, other heavy mobile equipment.

(2) Fugitive emissions from truck hauling to and from the landfill on paved and unpaved roads.

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

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

(1) Degreasing operations that do not exceed 145 gallons per 12 months. {326 IAC 8-3-2] [326 IAC 8-3-5]

(2) 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]

(3) 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 4,000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations. [326 IAC 6-3-2]

(4) One (1) emergency diesel generator, identified as EMDG-1, constructed in 2007, rated at less than 1600 horsepower, engine displacement volume less than 10 liters per cylinder and exhausting to the atmosphere.

The emergency generator, identified as EMDG-1, is subject to the requirements of New Source Performance Standards (NSPS) for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), 40 CFR Part 60, Subpart IIII, and National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ.

(5) Conveyors as follows: Underground coal conveyors including the following equipment:

(i) Conveyors CH-ERC-1 and CH-ERC-2
[326 IAC 6-3-2][40 CFR 60, Subpart Y]

(ii) Conveyor identified as CH-TC-1
[326 IAC 6-3-2][40 CFR 60, Subpart Y]

(6) Covered conveyors for limestone conveying of less than or equal to 7200 tons per day for sources other than mineral processing plants constructed after August 31, 1983. [326 IAC 6-3-2]

(q) This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21)

(1) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.

(2) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hour.

(3) Combustion source flame safety purging on startup.

(4) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles having a storage capacity less than or equal to 10,500 gallons.

(5) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(6) The following VOC and HAP storage containers:

(A) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(B) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(C) Eight (8) storage tanks:

(i) Tank 1, identified as ST1, was constructed in 1982, stores fuel oil and has a maximum capacity of 500,000 gallons.

(ii) Tank 2, identified as ST2, was constructed in 1982, stores fuel oil, and has a maximum capacity of 15,000 gallons.

(iii) Tank 3, identified as ST3, was constructed in 1982, stores diesel, has a maximum capacity of 15,000 gallons.

(iv) Tank 4, identified as ST4, was constructed in 2000, stores sodium formate, has a maximum capacity of 31,548 gallons

(v) Tank 5, identified as ST5, was constructed in 2000, stores sodium formate, has a maximum capacity of 13,512 gallons

(vi) Tank 6, identified as ST6, was constructed in 1990, sotres emulsified sulfur, has a maximum capacity of 6,000 gallons.

(vii) Tank 7, identified as ST7, was constructed before 2003, stores anhydrous ammonia, has a maximum capacity of 45,000 gallons.

(viii) Tank 8, identified as ST8, was constructed before 2003, stores anhydrous ammonia, has a maximum capacity of 45,000 gallons.

(7) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(8) Equipment used exclusively for the following:

(A) Filling drums, pails or other packaging containers with lubrication oils, waxes, and greases.

(9) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.

(10) Machining where an aqueous cutting coolant continuously floods the machining interface.

(11) Closed loop heating and cooling systems.

(12) Solvent recycling systems with batch capacity less than or equal to 100 gallons.

(13) Noncontact cooling tower systems with forced and induced draft cooling tower system not regulated under a NESHAP.

(14) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(15) Heat exchanger cleaning and repair.

(16) Process vessel degassing and cleaning to prepare for internal repairs.

(17) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.

(18) Paved and unpaved roads and parking lots with public access.

(19) Conveyors as follows:

(A) Covered conveyors for limestone conveying of less than or equal to 7200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;

(B) Underground conveyor identified as CH-TC-1,

(20) Coal bunker and coal scale exhausts and associated dust collector vents.

(21) Asbestos abatement projects regulated by 326 IAC 14-10.

(22) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process. This also includes routine purging of ammonia tank lines, which are flared with a propane igniter.

(23) Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate; ammonia; sulfur trioxide, sodium formate, and emsulsified sulfur.

(24) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment.

(25) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(26) On-site fire and emergency response training approved by the department.

(27) Emergency generators as follows:

(A) Gasoline generators not exceeding 110 horsepower.

(B) Diesel generators not exceeding 1600 horsepower.

(28) Stationary fire pumps.

(29) Purge double block and bleed valves.

(30) Filter and coalescer media changeout.

(31) Vents from ash transport systems not operated at positive pressure.

(32) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(33) Farm operations.

(34) Landfill operations (byproducts)

(35) Activities with emissions equal to or less than thresholds:

Lead (Pb = 0.6 ton/year or 3.29 lbs/day
Carbon Monoxide (CO) = 25 lbs/day
Sulfur Dioxide (SO_2) = 5 lbs/hour or 25 lbs/day
Particulate matter (PM) = 5 lbs/hour or 25 lbs/day
Nitrogen Oxides (NOx) = 5 lbs/hour or 25 lbs/day
Volatile Organic Compounds (VOC) = 3 lbs/hour or 15 lbs/day

(36) Other categories with emission below insignificant thresholds as follows:

(A) Two (2) coal feed systems, with nominal rate of 77 tons per hour each, consisting of three coal mills, six classifiers, six coal feeders, each, identified as coal feed system(s) unit 1 and unit 2, with particulate matter controlled by total enclosure.

(B) One (1) limestone classifier tank.

(C) One (1) limestone slurry tank.

(D) Two (2) FGD slurry thickner tanks.

(E) One (1) FGD slurry intermediate surge tank vented at ambient pressure to atmosphere.

(F) One (1) FGD slurry primary surge tank vented at ambient pressure to atmosphere.

(G) Four (4) FGD filter cake presses with partial enclosed at IUCS and venting directly to atmosphere.

(H) Bottom ash handling facility and transport system, processed wet bottom ash sluiced and conveyed to four (4) decant bins, two (2) settling bins, and two (2) reticulating tanks.

(I) One (1) intermediate Pozz-o-tec storage pile, identified as Pozz-o-tec

Stackout Pile, with particulate matter uncontrolled and exhausting directly to atmosphere.

(J) One (1) WWT filter press processing iron sludge.

(r) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

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

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

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

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

(c) It is an affected source under Title IV (Acid Deposition Control) of the Clean Air Act, as defined in 326 IAC 2-7-1(3);

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T153-28006-00005, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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

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

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

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

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

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

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

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

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

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

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

B.7 Duty to Provide Information [326 IAC 2-7-5(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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance 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) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMP's) within ninety (90) days after issuance of this permit, for the source as described in 326 IAC 1-6-3. At a minimum, the PMP's shall include:

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The 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 and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch, Office of Air Quality)
Facsimile Number: 317-233-6865

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

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

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

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

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

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

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by the "responsible official" need only referenced by the date of the original 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 T153-28006-00005 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)

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

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

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

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

Indiana Department of Environmental Management
Compliance 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] [40 CFR 72]

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

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

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

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

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

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

B.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 V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision,

subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

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

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

(f) This condition does not apply to emission trades of SO_2 or NO_X under 326 IAC 21 or 326 IAC 10-4.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 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 61-53 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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of

asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. 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 or ninety (90) days of initial start-up, whichever is later. 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 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.12 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.13 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.14 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.15 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.16 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.17 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.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

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

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

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(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) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(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.19 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) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

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

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

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

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

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

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

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
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.20 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) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 1 is an affected facility.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 2 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV2) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 2 is an affected facility.

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

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

D.1.1 New Source Performance Standard (NSPS) [326 IAC 12][40 CFR 60, Subpart D] [40 CFR Part 60, Subpart A]

(a) General Provision
The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart D.

(b) Particulate Matter (PM) Emissions
Pursuant to 40 CFR 60.42(a)(1), the particulate emissions from Unit 1 and Unit 2 shall not exceed 0.10 pounds of PM per MMBTU.

(c) Opacity
Pursuant to 40 CFR 60.42(a)(2), the opacity from Unit 1 and Unit 2 shall not exceed 20% opacity, except for one six-minute period per hour of not more than twenty-seven percent (27%) opacity, and except for emissions related to startup, shutdown, or malfunction, as allowed under 40 CFR 60, subpart A.

(d) Sulfur Dioxide (SO_2) Emissions
Pursuant to 40 CFR 60.43(a)(2), the SO_2 emissions from Unit 1 and Unit 2 shall not exceed 1.2 pounds of SO_2 per MMBTU.

(e) Nitrogen Oxides (NO_x) Emissions
Pursuant to 40 CFR 60.44(a)(3), the NO_x emissions from Unit 1 and Unit 2 shall not exceed 0.70 pounds of NO_x per MMBTU.

D.1.2 Temporary Alternative Opacity Limitations (TAOLs) - - Unit 1 and Unit 2 [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-13(d) and (e), the Permittee shall comply with the following:

(i) During startup periods of Unit 1 or Unit 2, the plume opacity may exceed 20%,
- - for a period of up to 4 hours or
- - until the flue gas temperature entering the electrostatic precipitator reaches 250 °F,

whichever occurs first.

(ii) During shutdown periods of Unit 1 or Unit 2, the plume opacity may exceed 20% for a period of up to 4 hours.

(b) Operation of the electrostatic precipitator is not required during these times unless necessary to comply with these limits.

(c) The need for revised temporary alternative opacity limits (TAOLs) during periods of startup and shutdown will be assessed upon renewal of this permit.

D.1.3 Temporary Alternative Opacity Limitations (TAOLs) - - Ash Removal [326 IAC 5-1-3]

(a) Pursuant to 326 IAC 5-1-3(b), when removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable limit established in 326 IAC 5-1-2 and stated in Section C - Opacity.

(b) However, opacity levels shall not exceed sixty percent (60%) for any six (6)-minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6)-minute averaging periods in any sixty (60) minute period.

(c) 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 (SO_2) Limitation [326 IAC 7-4-7]

Pursuant to 326 IAC 7-4-7 (Sullivan County Sulfur Dioxide (SO_2) Emissions Limitations), SO_2 emissions from Unit 1 and Unit 2 shall not exceed 1.2 pounds per MMBTU for each unit, based on a 30-day rolling average.

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-6(6)][326 IAC 2-1.1-11][40 CFR 60]

(a) Within the two (2) calendar years following the most recent valid stack test, compliance with the PM limitation in condition D.1.1(b) shall be determined by a performance stack test using methods as approved by the commissioner.

(b) This test shall be repeated at least once every two (2) calendar years following the date of the most recent valid compliance demonstration.

(c) Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.6 Continuous Emissions Monitoring [326 IAC 3-5][326 IAC 2-7-5(3)(A)(iii][40 CFR 75] [326 IAC 7-4]

(a) Pursuant to 326 IAC 3-5, the Permittee shall install, calibrate, maintain, and operate all of the following necessary continuous emissions monitoring systems (CEMS) and related equipment for Unit 1 and Unit 2:

(i) Nitrogen Oxides Continuous Emission Monitoring System (NO_x CEMS) [40 CFR 75]

(ii) Sulfur Dioxide Continuous Emission Monitoring System (SO_2 CEMS) [40 CFR 75], [326 IAC 7-4]

(b) 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.

(c) The CEMS shall meet the performance specifications of 326 IAC 3-5-2 and monitor system certification requirements pursuant to 326 IAC 3-5-3.

(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 326 IAC 7-4, 40 CFR 60, or 40 CFR 75.

D.1.7 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitators (ESPs) shall be operated as needed to maintain compliance with applicable PM emission limits in condition D.1.1(b).

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

Except as otherwise provided by statute or rule or in this permit, the scrubber shall be operated as needed to maintain compliance with applicable sulfur dioxide (SO_2) emission limits in condition D.1.1(d).

D.1.9 Operation of Selective Catalytic Reduction (SCR) [326 IAC 2-7-6(6)] [40 CFR 75]

Except as otherwise provided by statute or rule or in this permit, the Selective Catalytic Reduction (SCR) shall be operated as needed to maintain compliance with applicable emission limits.

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

D.1.10 Standard Operating Procedure [326 IAC 3-7-5(a)]

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.

D.1.11 Maintenance of Continuous Opacity Monitoring (COM) Equipment [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 2-1.1-11][326 IAC 3-5][40 CFR 60.13][40 CFR 64]

(a) The Permittee shall calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation in accordance with 326 IAC 3-5 and 40 CFR Part 60 when the boiler forced draft fans are in operation, except as otherwise allowed by 326 IAC 3-5 and 40 CFR 60.13.

(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 time and reason 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 boiler 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; provided, however, that if such 24-hour period ends during the period beginning two (2) hours before sunset and ending two (2) hours after sunrise, then such visible emissions readings shall begin within four (4) hours of sunrise on the day following the expiration of such 24-hour period.

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

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

D.1.12 Sulfur Dioxide (SO_2) Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)] [40 CFR 64]

Whenever the SO_2 continuous emission monitoring system (CEMS) is malfunctioning or down for repairs or adjustments for twenty-four (24) hours or more, the Permittee shall monitor and record boiler load, recirculation pH, slurry feed rate, and number of recirculation pumps in service, to demonstrate that the operation of the scrubber continues in a manner typical for the boiler load and sulfur content of the coal fired. Scrubber parametric monitoring readings shall be recorded at least twice per day until the primary CEM or a backup CEM is brought online.

D.1.13 Downtime of Continuous Emission Monitoring Equipment [40 CFR 75 Subpart D]

Whenever a NO_X or SO_2 continuous emission monitor is down for maintenance or repairs for more than 24 hours, the following shall be used as an alternative to continuous data collection:

(1) When the CEM is required for monitoring NO_X or SO_2 emissions pursuant to 40 CFR 75 (Title IV Acid Rain program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D - Missing Data Substitution Procedures.

D .1.14 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)][40 CFR 64]

(a) The ability of the ESP to control particulate emissions shall be monitored once per day, when the unit is in operation, by measuring and recording the number of T-R sets in service and the primary voltage and primary and secondary currents of the transformer-rectifier (T-R) sets.

(b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions or Exceedances whenever the percentage of T-R sets in service falls below 80 percent. T-R set failure resulting in less than 80 percent availability is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.15 Record Keeping Requirements

(a) The Permittee shall maintain records in accordance with the following and records shall be complete and sufficient to establish compliance with the limits:

(i) Data and results from the most recent stack test.
(ii) All continuous emissions monitoring data.
(iii) All parametric monitoring readings.
(iv) All response steps taken and the outcome for each.

(b) Pursuant to 326 IAC 7-2-1, and in order to document compliance with Conditions D.1.4 the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be sufficient to demonstrate compliance using a thirty (30) day rolling weighted average and shall be complete and sufficient to establish compliance with the SO_2 limit established in Condition D.1.4.

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

(2) Daily average sulfur content;

(3) Coal heat content;

(4) Weighting factor;

(5) Daily average sulfur dioxide emission rate;

(6) Thirty (30) day rolling weighted average sulfur dioxide emission rate.

(c) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

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

D.1.16 Reporting Requirements

(a) The Permittee shall submit a quarterly summary of the excess emission readings of the:

(i) SO_2 CEMS,
(ii) NO_x CEMS, and
(iii) COMS.

These reports shall be submitted no later than 30 calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.

Submissions of these reports to IDEM, OAQ satisfy the federal reporting requirements of 40 CFR Part 60, Subpart D.

(b) The Permittee shall submit any revision to the standard operating procedure (SOP) within 30 days after the revision. This revision shall be submitted in accordance with Section C - General Reporting Requirements of this permit.

(c) A quarterly report of sulfur dioxide emission data 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.1.4. [326 IAC 7-2-1(c)(1)]. The report shall contain the following:

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

(2) Daily average sulfur content;

(3) Coal heat content;

(4) Weighting factor;

(5) Daily average sulfur dioxide emission rate;

(6) Thirty (30) day rolling weighted average sulfur dioxide emission rate.

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(c) Two (2) No. 2 distillate oil-fired auxiliary boilers, constructed in 1980, each with a heat input rate of 93.0 MMBTU/hour, and exhausting to stack SV3.

(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 Prevention of Significant Deterioration (PSD) Minor Limit [326 IAC 2-2]

(a) The two (2) auxiliary boilers shall use less than 1,126,760 gallons of No. 2 fuel oil per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The sulfur content in the fuel oil shall not exceed 0.5% by weight.

(c) The NO_x emissions shall not exceed twenty (20) pounds per kilogallon

Compliance with these limits shall limit the SO_2 emissions to less than forty (40) tons per year and NO_x emissions to less than forty (40) tons per year, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) rules) not applicable to the auxiliary boilers.

D.2.2 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emissions Limitations for Sources of Indirect Heating), the particulate matter emissions from each auxiliary boiler shall not exceed 0.27 pounds per MMBTU.

This limitation was calculated using the following equation:

$$Pt = \frac{(C)\,(a)\,(h)}{76.5\ (Q^{0.75})\ (N^{0.25})}$$

Where: C = 50 micrograms/m^3
Q = total source capacity (MMBTU/hr)
Q = 10,362 MMBTU/hr
N = number of stacks = 3
a = 0.8
h = average stack height (feet) = 694 ft
Pt = lbs/MMBTU

D.2.3 Temporary Alternative Opacity Limitations (TAOLs) - - Auxiliary Boilers [326 IAC 5-1-3]

Pursuant to 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), when building a new fire in one of the auxiliary boilers, or shutting down one of the auxiliary boilers, opacity may exceed the applicable limit of 40%. However, opacity levels shall not exceed 60% for any six (6)-minute averaging period.

Opacity in excess of the applicable limit established in 326 IAC 5-1-2 shall not continue for more than two (2) six (6)-minute averaging periods in any twenty-four (24) hour period.

D.2.4 Sulfur Dioxide (SO_2) Emissions Limitations [326 IAC 7-1.1-2(a)(3)]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide (SO_2) Emissions Limitations), the SO_2 emissions from each auxiliary boiler shall not exceed 0.5 pounds per MMBTU, based on a calendar month average.

Compliance Determination Requirements

D.2.5 Sulfur Dioxide (SO_2) Emissions and Sulfur Content [326 IAC 3-7-4]

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) below shall not be refuted by evidence of compliance pursuant to the other method.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall comply with the applicable SO_2 limit in condition D.2.1 by:

(i) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or

(ii) Providing analysis of fuel oil samples collected and analyzed in accordance with 326 IAC 3-7-4(a).

(A) Oil samples shall be collected from the tanker truck load prior to transferring fuel to the storage tank; or

(B) Oil samples shall be collected from the storage tank immediately after each addition of fuel to the tank.

(b) Pursuant to 326 IAC 7-2-1(d), compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the two (2) distillate oil #2-fired auxiliary boilers in accordance with 326 IAC 3-6, utilizing the procedures in 40 CFR 60, Appendix A, Methods 6, 6A, 6C, or 8.

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

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

D.2.6 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

(a) Visible emission (VE) notations of the auxiliary boiler stack exhaust shall be performed once per day during normal daylight operations when the boilers are in operation. A trained employee shall record whether emissions are normal or abnormal. If VE notations have already been performed during a startup in the same day, then no additional VE notations are required for that day.

(b) If abnormal emissions are observed at any boiler exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(c) “Normal” means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

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

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

D.2.7 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain monthly records of fuel oil usage.

(b) The Permittee shall maintain records of the following:

vendor analysis of fuel delivered, or
analysis of fuel oil samples collected.

(c) To document compliance with Condition D.2.6, the Permittee shall maintain the daily visible emission notations of the auxiliary boiler stack exhaust when the auxiliary boilers are in operation.

(d) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

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

D.2.8 Reporting Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall submit a quarterly summary of the monthly fuel oil usage, using the reporting form currently being used or the reporting form located at the end of this permit.

(b) These reports shall be submitted no later than 30 calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.

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

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Coal/LKD Handling Facilities

(d) A coal storage and handling system, commencing construction in 1977, with a nominal throughput of 4,351,419 tons per year, consisting of the following equipment:

(1) One (1) outdoor storage area, identified as F01, with a nominal storage capacity of 1,500,000 tons, with particulate matter emissions controlled by layering and compaction and exhausting directly to the atmosphere.

(2) One (1) rail unloading (rotary car dumper) building, with a nominal throughput of 2000 tons per hour, identified as F02, controlled by being partially enclosed and exhausting directly to the atmosphere. Including the following equipment:

(i) Rotary Car Dumper
(ii) Vibrating Feeder(s)
(iii) Underground coal conveyor transfer point
(iv) Traveling hammer mill

(3) Two (2) receiving systems, where truck shipments of coal are discharged into one of the following stations:

(i) One (1) truck unloading station, which feeds a truck hopper, identified as F03, with a nominal throughput of 500 tons per hour with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere. Including the following equipment:

(A) Truck Hopper
(B) Vibrating Feeder
(C) Underground coal conveyor transfer point

(ii) One (1) truck unloading area, directly to coal storage pile(s), identified as F04, with a nominal unloading capacity of 1000 tons per hour, which is utilized on an as needed basis, with particulate matter emissions exhausting directly to the atmosphere.

(4) One (1) breaker house with enclosed chutes, identified as F05, with a nominal throughput of 2,000 tons per hour, with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere.

(i) Conveyor transfer point(s)

(5) One (1) stockout system, identified as F06, with a nominal throughput of 2,000 tons per hour, which includes the following equipment:

(i) Enclosed conveyors CH-CV-1, CH-CV-2, and CH-CV-3,
(ii) Retractable plow, which is used for emergency purposes only, and
(iii) Lowering wells (enclosed concrete cylinder with openings at various elevations) used to control particulate matter emissions.

(6) One (1) reclaim system, identified as F07, with a combined nominal throughput of 1600 tons per hour, with particulate matter emissions controlled by partial enclosures and wet spray suppression and exhausting directly to atmosphere. Including the following equipment:

(i) Reclaim Drawdown Hoppers, 4A-1, 4A-2, 4B-1, 4B-2
(ii) Four (4) vibrating feeders
(iii) Underground coal conveyor transfer point(s)

(7) One (1) reclaim conveying system, with nominal throughput of 750 tons per hour, with particulate matter emissions controlled by enclosures. Including the following equipment:

(i) Conveyors CH-CV-4A, CH-CV-4B, CH-CV-5A, CH-CV-5B, CH-CV-6A, and CH-CV-6B

(8) One (1) emergency reclaim area, which feeds an emergency reclaim hopper, identified as F08, with a nominal throughput of 600 tons per hour, with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere. Including the following equipment:

(i) Emergency reclaim hopper
(ii) Vibrating Feeder
(iii) Underground coal conveyor transfer point(s)

(9) One (1) crusher house, identified as F09, with a combined nominal throughput of 1,500 tons per hour, with particulate matter emissions controlled by a wet spray suppression and exhausting directly to atmosphere. Including the following equipment:

(i) Surge bin(s)
(ii) Vibrating feeder(s)
(iii) Two (2) enclosed crushers with bypass, with a nominal throughput 750 tons per hour, each.
(iv) Enclosed conveyor transfer point(s)

(10) One (1) boiler building bunker area, identified as F10, with a combined nominal throughput of 1600 tons, with particulate matter emissions controlled by enclosure and dust suppression system and exhausting directly to the atmosphere. Including the following equipment:

(i) Enclosed transfer tower(s)
(ii) Enclosed conveyor transfer point(s)
(ii) Two (2) traveling tripper(s)

(11) Fugitive emissions from movement of bulk materials with dozer, front end loaders, other heavy mobile equipment.

(12) Fugitive emissions from truck hauling, on paved and unpaved roads.

Under 40 CFR Part 60, Subpart Y, the coal storage and handling system is an affected facility.

(e) Two (2) lime kiln dust silos, identified as LKD Silo 1 and LKD Silo 2, approved for construction in 2008, each with a nominal throughput of 3.75 tons per hour, with emissions controlled by LKD Silo Baghouse 1 and LKD Silo Baghouse 2, respectively, and exhausting to LKD Silo Vent 1 and LKD Silo Vent 2, 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.3.1 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations, work practices, and control technologies), the particulate emission rates shall not exceed the given values as follows:

Emission Unit	Process Weight Rate, P: (tons/hr)	Emission Rate, E: (lbs/hr)
Rotary Railcar Dumper, F02	2000	86.9
Truck Unload, hopper (A,B, & C), F03	500	69.0
Truck Unload, pile, F04	1000	77.6
Breaker House, F05	2000	86.9
Convy. CH-CV- 1, 2, & 3	2000	86.9
Stockout, F06	2000	86.9
Reclaim (i, ii, & iii), F07	1600	83.8
Reclaim convy. CH-CV-4/5/6-A/B	750	73.9
Emergency Reclaim (i,ii, & iii), F08	600	71.2
Crusher House (i, ii, iii, & iv), F09	1500	83.0
Boiler Bunker (i, ii, & iii), F10	1600	83.8
LKD Silos; 1, 2; each	3.75	9.94

The emission rates based on the interpolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

The emission rates based on the interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

Pursuant to 326 IAC 6-3-2(e)(3) (Particulate Emission Limitations, work practices, and control technologies) when the process weight rate exceeds 200 tons per hour, the allowable emission may exceed the calculated (E) pounds per hour rate, provided the concentration of particulate in discharge gases to the atmosphere shall be less than 0.10 pounds per one thousand (1000) pounds of gases.

D.3.2 New Source Performance Standard [326 IAC12-1][40 CFR 60, Subpart A]
[40 CFR 60, Subpart Y]

(a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60, Subpart Y.

(b) Pursuant to 326 IAC 12 and 40 CFR 60.252(c), the exhaust from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system shall not exhibit twenty percent (20%) opacity or greater.

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

D.3.3 Visible Emissions Notations -- Coal Unloading [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

(a) Visible emission notations (VEN) of the unloading station, the crusher station or the transfer points shall be performed once per week during normal daylight operations. A trained employee shall record whether the emissions are normal or abnormal.

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

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

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

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

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

D.3.4 Record Keeping Requirements

(a) The Permittee shall maintain records of the once per week visible emission notations of the exhausts from the coal unloading station, the crusher station, and the transfer points. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that week).

(b) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(c) 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)] Limestone Handling Facilities

(f) One (1) limestone storage and handling system, constructed between 1978 and 1980, with a nominal throughput of 400,000 tons per year consisting of the following equipment:

(1) One (1) railcar unloading station, identified as LDU1, which feeds two (2) hoppers located in limestone track hopper (partially) enclosed structure, with a combined nominal throughput of 3000 tons per hour.

(2) One (1) truck unloading to limestone pile, identified as LTU1 with a nominal throughput of 2000 tons per hour, which is normally only utilized when the railcar unloading station is out of service.

(3) One (1) unloading belt conveyor identified as LU1, which is fed by two (2) hoppers via vibrating feeders, with a nominal throughput of 600 tons per hour, with a dust suppression system used to control particulate matter emissions.

(4) One (1) limestone storage pile, identified as LP1, which is fed by unloading belt conveyor via telescoping discharge spout, identified as LDP1**,** with a nominal throughput of 600 tons per hour, with a storage capacity of up to 90,000 tons of limestone.

(5) Limestone reclaim belt conveyors, identified as LRC1 and LRC2, which are fed from the limestone pile, each with a nominal throughput of 150 tons per hour.

(6) Limestone reclaim belt conveyor transfers, identified as LRCT1 and LRCT2, which transfers materials to limestone reclaim conveyor discharge chutes, each with a nominal throughput of 150 tons per hour.

(7) Located in the limestone preparation building are the following units:

(A) Limestone receiving bins, identified as LRCB1 and LRCB2, which are fed by limestone reclaim conveyor, each with a nominal throughput of 140 tons per hour, with baghouses identified as LRCB Baghouse 1 and 2 to control emissions from LRCB1 and 2, and exhausting to stacks LRCB Vent 1 and 2, respectively.

(B) One (1) enclosed crusher fed by a vibratory feeder, identified as LPC1 constructed in 2008 with a maximum capacity of 45 tons per hour, using the baghouse identified as LPC Baghouse 1 as control, and exhausting to stack LPC Vent 1.

Under 40 CFR Part 60, Subpart OOO, crusher LPC1 is an affected facility.

(C) One (1) enclosed crusher fed by a vibratory feeder, identified as LPC2, constructed in 2010, with a maximum capacity of 45 tons per hour, using the baghouse identified as LPC Baghouse 2 as control, and exhausting to stack LPC Vent 2.

Under 40 CFR Part 60, Subpart OOO, crusher LPC2 is an affected facility.

(D) Limestone surge bins, identified as LSB1 and LSB2, which are fed by limestone bucket elevator, each with a nominal throughput of 45 tons per hour, using the baghouses identified as LSB Baghouse 1 and 2 to control emissions, and exhausting to stacks LSB Vent 1 and 2, respectively.

(8) Four (4) enclosed weigh belt feeders (conveyors), identified as LWB1, LWB2, LWB3, and LWB4, each with a maximum capacity of 22.5 tons per hour, which transfer limestone to four (4) enclosed wet tower mills, identified as LTM1, LTM2, LTM3, LTM4, each with a maximum capacity of 22.5 tons per hour.

(g) Fugitive emission from movement of bulk materials with dozer, front end loaders, and other heavy equipment.

(h) Fugitive emissions from truck hauling on paved and unpaved roads.

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

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

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations, work practices, and control technologies), the particulate emission rates shall not exceed the given values as follows:

Emission Unit	Process Weight Rate, P (tons/hr)	Emission Rate, E: (lbs/hr)
Railcar Unload, LDU1	3,000	92.7
Truck Unload, LTU1	2,000	86.9
Unload Conveyor, LU1	600	71.2
Conveyor discharge to 90kT Pile, LDP1	600	71.2
Reclaim Conveyors; LRC1, LRC2; each	150	55.4
Reclaim Trans. Conveyors; LRCT1, LRCT2; each	150	55.4
Receiving Bins; LRCB1, LRCB2; each	140	54.7
Crushers; LPC1, LPC2; each	45	43.6
Surge Bins; LSB1, LSB2; each	45	43.6
Weigh Belt Feeder Conveyors; LTM1, LTM2, LTM3, LTM4; each	22.5	33.0

The emission rates based on the interpolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

The emission rates based on the interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

Pursuant to 326 IAC 6-3-2(e)(3) (Particulate Emission Limitations, work practices, and control technologies) when the process weight rate exceeds 200 tons per hour, the allowable emission may exceed the calculated (E) pounds per hour rate, provided the concentration of particulate in discharge gases to the atmosphere shall be less than 0.10 pounds per one thousand (1000) pounds of gases.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Fly Ash/Lime Kiln Dust/FGD Slurry/Bottom Ash Handling Facilities:

(i) A pneumatic fly ash storage and handling system, constructed in 1977, with a nominal throughput of 1,752,000 tons of fly ash per year consisting of the following equipment:

(1) Four (4) fly ash silos, identified as Fly Ash Silos 1A, 1B, 2A, and 2B, with a nominal throughput of 100 tons per hour, each, particulate matter emissions controlled with eight (8) baghouses (two baghouses per silo), identified as Fly Ash Baghouse 1A1, 1A2, 1B1, 1B2, 2A1, 2A2, 2B1, and 2B2, and exhausted to stacks Fly Ash Silo Vent 1A1, 1A2 1B1, 1B2, 2A1, 2A2, 2B1, and 2B2, respectively.

(2) One (1) fly ash silo at IUCS, identified as Fly Ash Silo IUCS, with a nominal throughput of 75 tons per hour, particulate matter emissions controlled with a baghouse identified as Fly Ash IUCS Baghouse, and exhausting to stack Fly Ash IUCS Vent.

(3) Fugitive emissions from emergency fly ash loading into a vacuum truck at Fly Ash Silos 1A, 1B, 2A, 2B and fly ash silo IUCS and hauling to an on-site landfill.

(j) A lime kiln dust storage and handling system at IUCS, constructed in 1979, with a nominal throughput of 26,280 tons of lime kiln dust per year consisting of the following equipment;

(1) One (1) lime kiln dust silo at IUCS, identified as Lime Silo at IUCS, with a nominal throughput of 3 tons per hour, particulate matter emissions controlled with a baghouse, identified as Lime Silo IUCS Baghouse, and exhausting to stack Lime Silo IUCS Vent.

(k) A lime storage and handling system at WWT, constructed in 1977, with a nominal throughput of 109.5 tons of lime per year consisting of the following equipment.

(1) One (1) lime silo at WWT, identified as Lime Silo at WWT, with a nominal throughput of 0.0125 tons per hour, particulate matter emissions controlled with a baghouse, identified as Lime Silo WWT Baghouse, and exhausting to stack Lime Silo WWT Vent.

(l) FGD slurry handling system, constructed in 1979, with a nominal throughput of 2,628,000 tons of FGD slurry per year consisting of the following equipment:

(1) Two (2) pug mills (mixers) located at IUCS, identified as Pug Mill 1 and Pug Mill 2, with a nominal throughput of 300 tons per hour, each, particulate matter emissions controlled with a common de-dusting equipment, identified as Whirl-jet, and exhausting to stack Pug Mill Vent.

(2) Pozz-o-tec stockout system, identified as Pozz-o-tec Drop Point, with a nominal throughput of 300 tons per hour, with particulate matter uncontrolled, and exhausting directly to atmosphere.

(3) Fugitive emissions of bulk material with dozer, front end loaders, other heavy mobile equipment.

(4) Fugitive emissions from truck hauling on paved and unpaved roads.

(m) A wet bottom ash storage and handling system, constructed in 1977, with a nominal throughput of 30,160 tons of bottom ash per year consisting of the following equipment:

(1) One (1) partial enclosed bottom ash truck loadout system with four (4) Decant Bins, identified as Bottom Ash Decant Bin 1A, 1B, 2A and 2B with their own truck loadout, with a nominal throughput of 125 tons per hour, with particulate emission control by partial enclosure and exhausting directly to atmosphere.

(2) Fugitive emissions of bulk material with dozer, front end loaders, other heavy mobile equipment.

(3) Fugitive emissions from truck hauling on paved and unpaved roads.

(n) A Pozz-o-tec landfill, identified as Landfill, constructed in 2003 with, emissions controlled with wet and/or dry (agent) suppression and annual coverage.

(1) Fugitive emissions of bulk material with dozer, front end loader, other heavy mobile equipment.

(2) Fugitive emissions from truck hauling to and from the landfill on paved and unpaved roads.

Insignificant Activities

(r) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(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.5.1 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations, work practices, and control technologies), the particulate emission rates shall not exceed the given values as follows:

Emission Unit	Process Weight Rate, P: (tons/hr)	Emission Rate, E: (lbs/hr)
Fly Ash Silos: 1A, 1B, 2A, 2B; each	100	51.3
Fly Ash Silo IUCS	75	48.4
Lime Silo at IUCS	3	8.6
Lime Silo at WWT	0.0125	0.551
Pug Mills: 1, 2; each	300	63.0
Pozz-O-Tec Drop Point	300	63.0
Bottom Ash Decant (comb. = 125 tph)	125	53.5
Trona Storage Silos: U1R and U2R, each	1.5	5.38

The emission rates based on the interpolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

The emission rates based on the interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

Pursuant to 326 IAC 6-3-2(e)(2) (Particulate Emission Limitations, work practices, and control technologies), when the process weight rate is less than one hundred (100) pounds per hour, the allowable rate of emission is five hundred fifty-one thousandths (0.551) pound per hour.

Pursuant to 326 IAC 6-3-2(e)(3) (Particulate Emission Limitations, work practices, and control technologies) when the process weight rate exceeds 200 tons per hour, the allowable emission may exceed the calculated (E) pounds per hour rate, provided the concentration of particulate in discharge gases to the atmosphere shall be less than 0.10 pounds per one thousand (1000) pounds of gases.

SECTION D.6 FACILITY OPERATION CONDITIONS

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

Specifically Regulated Insignificant Activities:

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

(1) Degreasing operations that do not exceed 145 gallons per 12 months.

(2) Equipment related to manufacturing activities not resulting in the emission of HAPs brazing equipment, cutting torches, soldering equipment, welding equipment.

(3) 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 gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: debarring, buffing, polishing, abrasive blasting, pneumatic conveying, and wood working operations.

40 CFR 63, Subparts IIII and ZZZZ apply to the following:

(4) One (1) emergency diesel generator, identified as EMDG-1, constructed in 2007, rated at less than 1600 horsepower, engine displacement volume less than 10 liters per cylinder and exhausting to the atmosphere.

The emergency generator, identified as EMDG-1, is subject to the requirements of New Source Performance Standards (NSPS) for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), 40 CFR Part 60,Subpart IIII, and National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE),40 CFR Part 63, Subpart ZZZZ.

40 CFR 60, Subpart Y applies to the following:

(5) Conveyors as follows: Underground coal conveyors including the following equipment:

(i) Conveyors CH-ERC-1 and CH-ERC-2

(ii) Conveyors identified as CH-TC-1

(6) (i) Covered conveyors for limestone conveying of less than or equal to 7200 tons per day for sources other than mineral processing plants constructed after August 31, 1983.

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

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

D.6.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for work practices, and control technologies), the allowable particulate emission rate from the brazing equipment, cutting torches, soldering equipment, welding equipment and structural steel and bridge fabrication or the grinding and machining operations activities, shall not exceed the allowable PM emission rate calculated using the following equations:

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

$E = 4.10P^{0.67}$ where: E = rate of emission in pounds per hour: and
P = process rate in tons per hour

Pursuant to 326 IAC 6-3-2(e)(2) (Particulate Emission Limitations, work practices, and control technologies), when the process weight rate is less than one hundred (100) pounds per hour, the allowable rate of emission is five hundred fifty-one thousandths (0.551) pound per hour.

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

(a) Pursuant to 326 IAC 8-3-2 and 8-3-5(a) (Cold Cleaner Operations), the owner or operator of a cold cleaner degreaser without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following 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 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)), 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 U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-2 and 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

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

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

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

SECTION E.1 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 1 is an affected facility.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 2 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV2) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 2 is an affected facility.

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

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

E.1.1 General Provisions Relating to NSPS [326 IAC 12][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60 Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart D.

E.1.2 Standards of Performance for Fossil-Fuel-Fired Steam Generators [40 CFR Part 60, Subpart D] [326 IAC 12]

Pursuant to CFR Part 60, Subpart D, (included as Attachment A of this permit), the Permittee shall comply with the provisions of the Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced after August 17, 1971, for Unit 1 and Unit 2 as follows:

1) 40 CFR 60.40
2) 40 CFR 60.41
3) 40 CFR 60.42; (a), (a)(1)
4) 40 CFR 60.43 (a)(2)
5) 40 CFR 60.44 (a)(3)
6) 40 CFR 60.45; (a), (b), (c), (g), (g)(1), (g)(2), (g)(2)(i), (g)(3),(g)(3)(i), (g)(4)
7) 40 CFR 60.46; (a), (b)

SECTION E.2 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

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

(d) A coal storage and handling system, commencing construction in 1977, with a nominal throughput of 4,351,419 tons per year, consisting of the following equipment:

(5) One (1) stockout system, identified as F06, with a nominal throughput of 2,000 tons per hour, which includes the following equipment:

(i) Enclosed conveyors CH-CV-1, CH-CV-2, and CH-CV-3,
(ii) Retractable plow, which is used for emergency purposes only,
(iii) Lowering wells (enclosed concrete cylinder with openings at various elevations) used to control particulate matter emissions.

(6) One (1) reclaim system, identified as F07, with a combined nominal throughput of 1600 tons per hour, with particulate matter emissions, controlled by partial enclosures and exhausting directly to atmosphere. Including the following equipment:

(i) Reclaim Drawdown Hoppers, 4A-1, 4A-2, 4B-a, 4B-2
(ii) Four (4) vibrating feeders
(iii) Underground coal conveyor transfer point(s)

(7) One (1) reclaim conveying system, with nominal throughput of 750 tons per hour, with particulate matter emissions controlled by enclosures. Including the following equipment:

(i) Conveyors CH-CV-4A, CH-CV-4B, CH-CV-5A, CH-CV-5B, CH-CV-6A, and CH-CV-6B

(8) One (1) emergency reclaim area, which feeds a emergency reclaim hopper, identified as F08, with a nominal throughput of 600 tons per hour, with particulate matter emissions controlled by partial enclosure and exhausting directly to the atmosphere. Including the following equipment:

(i) Emergency reclaim hopper
(ii) Vibrating Feeder
(iii) Underground coal conveyor transfer point(s)

(9) One (1) crusher house, identified as F09, with a combined nominal throughput of 1500 tons per hour, with particulate matter emissions controlled by a wet spray suppression and exhausting directly to atmosphere. Including the following equipment:

(i) Surge bins(s)
(ii) Vibrating feeder(s)
(iii) Two (2) enclosed crushers with bypass, with a nominal throughput 750 tons per hour, each.
(iv) Enclosed conveyor transfer point(s)

(10) One (1) boiler building bunker area, identified as F10, with a combined nominal throughput of 1600 tons, with particulate matter emissions controlled by enclosure and dust suppression system and exhausting directly to the atmosphere, including the following equipment:

(i) Enclosed transfer tower(s)
(ii) Enclosed conveyor transfer point(s)
(iii) Two (2) traveling tripper(s)

Under 40 CFR Part 60, Subpart Y, the coal storage and handling system is an affected facility.

Specifically Regulated Insignificant Activities:

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

(p) (5) Conveyors as follows: Underground coal conveyors including the following equipment:

(i) Conveyors CH-ERC-1 and CH-ERC-2
[326 IAC 6-3-2][40 CFR 60, Subpart Y]

(II) Conveyor identified as CH-TC-1
[326 IAC 6-3-2][40 CFR 60, Subpart Y]

(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)]

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

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60, Subpart Y.

E.2.2 Standards of Performance for Coal Preparation Plants
[40 CFR Part 60, Subpart Y] [326 IAC 12]

Pursuant to CFR Part 60, Subpart Y, (included as Attachment B of this permit), the Permittee shall comply with the provisions of the Standards of Performance for Coal Preparation Plants for the coal storage and handling system as follows:

1) 40 CFR 60.250
2) 40 CFR 60.251
3) 40 CFR 60.252

SECTION E.3 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

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

Insignificant Activities:

(4) One (1) emergency diesel generator, identified as EMDG-1, constructed in 2007, rated at less than 1600 horsepower, engine displacement volume less than 10 liters per cylinder and exhausting to the atmosphere.

The emergency diesel generator, identified as EMDG-1, is subject to New Source Performance Standards (NSPS) for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), 40 CFR Part 60, Subpart IIII.

(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)]

E.3.1 General Provisions Relating to NSPS IIII [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart IIII.

E.3.2 Stationary Compression Ignition Internal Combustion Engines NSPS Requirements [40 CFR Part 60, Subpart IIII] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart IIII, (included as Attachment C of this permit), the Permittee which shall comply with the provisions of 40 CFR Part 60, Subpart IIII, for the emergency diesel generator as follows:

1) 40 CFR 60.4200(a); (2)(i), (2)(ii)
2) 40 CFR 60.4202(a)(2)
3) 40 CFR 60.4205(b)
4) 40 CFR 60.4206
5) 40 CFR 60.4207; (a), (b), (c)
6) 40 CFR 60.4208(a)
7) 40 CFR 60.4209(a)
8) 40 CFR 60.4211; (a), (c), (e)
9) 40 CFR 60.4214(b)
10) 40 CFR 60.4218
11) 40 CFR 60.4219
12) Table 8

SECTION E.4 [Reserved]

SECTION E.5 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

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

Insignificant Activities:

(4) One (1) emergency diesel generator, identified as EMDG-1, constructed in 2007, rated at less than 1600 horsepower, engine displacement volume less than 10 liters per cylinder and exhausting to the atmosphere.

The emergency diesel generator, identified as EMDG-1, is subject to National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ.

(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)]

E.5.1 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the affected source, as designated by 40 CFR 63.6590(a)(1), except when otherwise specified in 40 CFR Part 63 Subpart ZZZZ.

E.5.2 National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

Pursuant to CFR Part 63, Subpart ZZZZ (included as Attachment E of this permit), the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, which are incorporated by reference as 326 IAC 20-82, for the one (1) emergency diesel generator as follows:

1) 40 CFR 63.6580
2) 40 CFR 63.6585; (a), (b)
3) 40 CFR 63.6590; (a), (a)(2), (b), (b)(1), (b)(1)(i)-(ii)
4) 40 CFR 63.6595; (a), (c)
5) 40 CFR 63.6645; (c), (d)
6) 40 CFR 63.6665
7) 40 CFR 63.6670; (a)-(c), (c)(1)-(5)
8) 40 CFR 63.6675

SECTION E.6 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

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

(f) A limestone storage and handling system, constructed between 1978 and 1980, with a nominal throughput of 400,000 tons per year consisting of the following equipment:

(7) Located in the limestone preparation building are the following units:

(B) One (1) enclosed crusher fed by a vibratory feeder, identified as LPC1 constructed in 2008 with a maximum capacity of 45 tons per hour, using the baghouse identified as LPC Baghouse 1 beginning June 2009 as control, and exhausting to stack LPC Vent 1.

Under 40 CFR Part 60, Subpart OOO, crusher LPC1 is an affected facility.

(C) One (1) existing enclosed crusher fed by a vibratory feeder, identified as Old LPC2 with a maximum capacity of 45 tons per hour. Old LPC2 is to be replaced with one (1) enclosed crusher, identified as LPC2. LPC2 is to be constructed in 2010 with a maximum capacity of 45 tons per hour, using a newly constructed baghouse identified as LPC Baghouse 2 as control, and exhausting to a new stack LPC Vent 2.

Under 40 CFR Part 60, Subpart OOO, crusher LPC2 is an affected facility.

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

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

E.6.1 General Provisions Relating to NSPS [326 IAC 12][40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1, except as otherwise specified in 40 CFR 60, Subpart OOO.

E.6.2 New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants [40 CFR Part 60, Subpart OOO] [326 IAC 12]

The Permittee shall comply with the applicable provisions of 40 CFR Part 60, Subpart OOO (included as Attachment F of this permit), which are incorporated by reference as 326 IAC 12, except as otherwise specified in 40 CFR Part 60, Subpart OOO:

(a) 40 CFR 60.670 (a)(1), (d)(3),(e),(f)
(b) 40 CFR 60.671
(c) 40 CFR 60.672
(d) 40 CFR 60.675 (a), (b)(1)-(2), (c)(1)(i)-(ii), (c)(3)(i)-(ii), (g)
(e) 40 CFR 60.676 (a)(1)(i)-(ii), (g), (h)(i)(1), (j)

SECTION F ACID RAIN PROGRAM CONDITIONS

ORIS Code - 6213

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 2 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV2) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

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

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

(a) The Acid Rain permit for this source, is incorporated by reference into this Part 70 Permit. (Attachment G)

(b) Pursuant to 326 IAC 21 (Acid Deposition Control), the Permittee shall comply with all provisions of the Acid Rain Permit and Amendments issued for this source, and any other applicable requirements contained in 40 CFR 72 through 40 CFR 78.

(c) Where an applicable requirement of the Clean Air Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall apply.

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

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

(a) No revision of this permit shall be required for increases in emissions that are authorized by allowances acquired under Title IV Acid Rain Program, provided that such increases do not require a permit revision under any other applicable requirement.

(b) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not use allowances as a defense to noncompliance with any other applicable requirement.

(c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

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

ORIS Code: 6213

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

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
- SO3 Mitigation System (Trona Injection),
- Electrostatic precipitator (ESP),
- Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
- Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 1SG2, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
- SO3 Mitigation System (Trona Injection),
- Electrostatic precipitator (ESP),
- Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
- Selective Catalytic Reduction (SCR).

Controlled emissions from Unit 2 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV2) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

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

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

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

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

(a) The owners and operators of each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit shall operate each source and unit in compliance with this CAIR permit.

(b) The CAIR NO_X unit(s), CAIR SO_2 unit(s), and CAIR NO_X ozone season unit(s) subject to this CAIR permit are Unit 1 and Unit 2.

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

(a) The owners and operators, and the CAIR designated representative, of each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit at the source shall comply with the applicable monitoring, reporting, and record keeping requirements of 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.

(b) The emissions measurements recorded and reported in accordance with 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11 shall be used to determine compliance by each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source with the CAIR NO_X emissions limitation under 326 IAC 24-1-4(c), CAIR SO_2 emissions limitation under 326 IAC 24-2-4(c), and CAIR NO_X ozone season emissions limitation under 326 IAC 24-3-4(c) and Condition H.4.1, Nitrogen Oxides Emission Requirements, Condition H.4.2, Sulfur Dioxide Emission Requirements, and Condition H.4.3, Nitrogen Oxides Ozone Season Emission Requirements.

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

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

(b) A CAIR NO_X unit shall be subject to the requirements under 326 IAC 24-1-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-1-4(c)(2), and for each control period thereafter.

(c) A CAIR NO_X allowance shall not be deducted for compliance with the requirements under 326 IAC 24-1-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_X allowance was allocated.

(d) CAIR NO_X allowances shall be held in, deducted from, or transferred into or among CAIR NO_X allowance tracking system accounts in accordance with 326 IAC 24-1-9, 326 IAC 24-1-10, and 326 IAC 24-1-12.

(e) A CAIR NO_X allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_X annual trading program. No provision of the CAIR NO_X annual trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-1-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.

(f) A CAIR NO_X allowance does not constitute a property right.

(g) Upon recordation by the U.S. EPA under 326 IAC 24-1-8, 326 IAC 24-1-9, 326 IAC 24-1-10, or 326 IAC 24-1-12, every allocation, transfer, or deduction of a CAIR NO_X allowance to or from a CAIR NO_X source's compliance account is incorporated automatically in this CAIR permit.

G.5 Sulfur Dioxide Emission Requirements [326 IAC 24-2-4(c)] [40 CFR 97.206(c)]

(a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO_2 allowances available for compliance deductions for the control period under 326 IAC 24-2-8(j) and 326 IAC 24-2-8(k) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO_2 units at the source, as determined in accordance with 326 IAC 24-2-10.

(b) A CAIR SO_2 unit shall be subject to the requirements under 326 IAC 24-2-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-2-4(c)(2), and for each control period thereafter.

(c) A CAIR SO_2 allowance shall not be deducted for compliance with the requirements under 326 IAC 24-2-4(c)(1), for a control period in a calendar year before the year for which the CAIR SO_2 allowance was allocated.

(d) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 allowance tracking system accounts in accordance with 326 IAC 24-2-8, 326 IAC 24-2-9, and 326 IAC 24-2-11.

(e) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 trading program. No provision of the CAIR SO_2 trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-2-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.

(f) A CAIR SO_2 allowance does not constitute a property right.

(g) Upon recordation by the U.S. EPA under 326 IAC 24-2-8, 326 IAC 24-2-9, or 326 IAC 24-2-11, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from a CAIR SO_2 source's compliance account is incorporated automatically in this CAIR permit.

G.6 Nitrogen Oxides Ozone Season Emission Requirements [326 IAC 24-3-4(c)] [40 CFR 97.306(c)]

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

(b) A CAIR NO_X ozone season unit shall be subject to the requirements under 326 IAC 24-3-4(c)(1) for the control period starting on the applicable date, as determined under 326 IAC 24-3-4(c)(2), and for each control period thereafter.

(c) A CAIR NO_X ozone season allowance shall not be deducted for compliance with the requirements under 326 IAC 24-3-4(c)(1), for a control period in a calendar year before the year for which the CAIR NO_X ozone season allowance was allocated.

(d) CAIR NO_X ozone season allowances shall be held in, deducted from, or transferred into or among CAIR NO_X ozone season allowance tracking system accounts in accordance with 326 IAC 24-3-9, 326 IAC 24-3-10, and 326 IAC 24-3-12.

(e) A CAIR NO_X ozone season allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO_X ozone season trading program. No provision of the CAIR NO_X ozone season trading program, the CAIR permit application, the CAIR permit, or an exemption under 326 IAC 24-3-3 and no provision of law shall be construed to limit the authority of the State of Indiana or the United States to terminate or limit the authorization.

(f) A CAIR NO_X ozone season allowance does not constitute a property right.

(g) Upon recordation by the U.S. EPA under 326 IAC 24-3-8, 326 IAC 24-3-9, 326 IAC 24-3-10, or 326 IAC 24-3-12, every allocation, transfer, or deduction of a CAIR NO_X ozone season allowance to or from a CAIR NO_X ozone season source's compliance account is incorporated automatically in this CAIR permit.

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

(a) The owners and operators of a CAIR NO_X source and each CAIR NO_X unit that emits nitrogen oxides during any control period in excess of the CAIR NO_X emissions limitation shall do the following:

(1) Surrender the CAIR NO_X allowances required for deduction under 326 IAC 24-1-9(j)(4).

(2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

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

(b) The owners and operators of a CAIR SO_2 source and each CAIR SO_2 unit that emits sulfur dioxide during any control period in excess of the CAIR SO_2 emissions limitation shall do the following:

(1) Surrender the CAIR SO_2 allowances required for deduction under 326 IAC 24-2-8(k)(4).

(2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

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

(c) The owners and operators of a CAIR NO_X ozone season source and each CAIR NO_X ozone season unit that emits nitrogen oxides during any control period in excess of the CAIR NO_X ozone season emissions limitation shall do the following:

(1) Surrender the CAIR NO_X ozone season allowances required for deduction under 326 IAC 24-3-9(j)(4).

(2) Pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, the Clean Air Act (CAA) or applicable state law.

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

G.8 Record Keeping Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)] [326 IAC 2-7-5(3)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

Unless otherwise provided, the owners and operators of the CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and each CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit at the source shall keep on site at the source or at a central location within Indiana for those owners or operators with unattended sources, each of the following documents for a period of five (5) years from the date the document was created:

(a) The certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), and 326 IAC 24-3-6(h) for the CAIR designated representative for the source and each CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation. The certificate and documents shall be retained on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond such five (5) year period until such documents are superseded because of the submission of a new account certificate of representation under 326 IAC 24-1-6(h), 326 IAC 24-2-6(h), and 326 IAC 24-3-6(h) changing the CAIR designated representative.

(b) All emissions monitoring information, in accordance with 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11, provided that to the extent that 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11 provides for a three (3) year period for record keeping, the three (3) year period shall apply.

(c) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program.

(d) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program or to demonstrate compliance with the requirements of the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program.

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

G.9 Reporting Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

(a) The CAIR designated representative of the CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and each CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit at the source shall submit the reports required under the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program, including those under 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.

(b) Pursuant to 326 IAC 24-1-4(e), 326 IAC 24-2-4(e), and 326 IAC 24-3-4(e) and 326 IAC 24-1-6(e)(1), 326 IAC 24-2-6(e)(1), and 326 IAC 24-3-6(e)(1), each submission under the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program shall include the following certification statement by the CAIR designated representative: “I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

(c) Where 326 IAC 24-1, 326 IAC 24-2, and 326 IAC 24-3 requires a submission to IDEM, OAQ, the information shall be submitted to:

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

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

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

G.10 Liability [326 IAC 24-1-4(f)] [326 IAC 24-2-4(f)] [326 IAC 24-3-4(f)] [40 CFR 97.106(f)] [40 CFR 97.206(f)] [40 CFR 97.306(f)]

The owners and operators of each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and each CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit shall be liable as follows:

(a) Each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source and each CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit shall meet the requirements of the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program, respectively.

(b) Any provision of the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program that applies to a CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source or the CAIR designated representative of a CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source shall also apply to the owners and operators of such source and of the CAIR NO_X units, CAIR SO_2 units, and CAIR NO_X ozone season units at the source.

(c) Any provision of the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program that applies to a CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit or the CAIR designated representative of a CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit shall also apply to the owners and operators of such unit.

G.11 Effect on Other Authorities [326 IAC 24-1-4(g)] [326 IAC 24-2-4(g)] [326 IAC 24-3-4(g)] [40 CFR 97.106(g)] [40 CFR 97.206(g)] [40 CFR 97.306(g)]

No provision of the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program, a CAIR permit application, a CAIR permit, or an exemption under 326 IAC 24-1-3, 326 IAC 24-2-3, and 326 IAC 24-3-3 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source or CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act (CAA).

G.12 CAIR Designated Representative and Alternate CAIR Designated Representative [326 IAC 24-1-6] [326 IAC 24-2-6] [326 IAC 24-3-6] [40 CFR 97, Subpart BB] [40 CFR 97, Subpart BBB] [40 CFR 97, Subpart BBBB]

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

(a) Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), each CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source, including all CAIR NO_X units, CAIR SO_2 units, and CAIR NO_X ozone season units at the source, shall have one (1) and only one (1) CAIR designated representative, with regard to all matters under the CAIR NO_X annual trading program, CAIR SO_2 trading program, and CAIR NO_X ozone season trading program concerning the source or any CAIR NO_X unit, CAIR SO_2 unit, and CAIR NO_X ozone season unit at the source.

(b) The provisions of 326 IAC 24-1-6(f), 326 IAC 24-2-6(f), and 326 IAC 24-3-6(f) shall apply where the owners or operators of a CAIR NO_X source, CAIR SO_2 source, and CAIR NO_X ozone season source choose to designate an alternate CAIR designated representative.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Hoosier Energy REC - Merom Generating Station
Source Address: 5500 West Old 54, Sullivan, Indiana 47882
Mailing Address: 5500 West Old 54, Sullivan, Indiana 47882
Part 70 Permit No.: T153-28006-00005

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Hoosier Energy REC - Merom Generating Station
Source Address: 5500 West Old 54, Sullivan, Indiana 47882
Mailing Address: 5500 West Old 54, Sullivan, Indiana 47882
Part 70 Permit No.: T153-28006-00005

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 AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Hoosier Energy REC - Merom Generating Station
Source Address: 5500 West Old 54, Sullivan, Indiana 47882
Mailing Address: 5500 West Old 54, Sullivan, Indiana 47882
Part 70 Permit No.: T153-28006-00005

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 OPERATING PERMIT
SULFUR DIOXIDE EMISSION QUARTERLY REPORT

Source Name: Hoosier Energy Rural Electric Coop. (REC), Inc.
Merom Generating Station
Source Address: 5500 West Old 54, Sullivan, Indiana 47882
Mailing Address: 5500 West Old 54, Sullivan, Indiana 47882
Part 70 Permit No.: T153-28006-00005
Facility: Unit 1 and Unit 2
Parameter: SO_2 emissions, coal analysis (Unit 1 & Unit 2)
Limit: SO_2 emissions from each boiler shall not exceed 1.2 pounds per million Btu when using coal.

YEAR: _____ QUARTER: _____

30 DAY PERIOD Start date _____ End date _____	Daily ave. Coal Sulfur Content	Daily ave. Coal Heat Content	Weighting Factor	Daily ave. SO_2 Emission Rate (lb/MMBtu)	30 Day Rolling Weighted ave. SO_2 Emission Rate (lb/MMBtu)
Day 1					
Day 2					
Day 3					
Day 4					
Day 5					
Day 6					
Day 7					
Day 8					
Day 9					
Day 10					
Day 11					
Day 12					
Day 13					
Day 14					
Day 15					
Day 16					
Day 17					
Day 18					
Day 19					
Day 20					
Day 21					
Day 22					
Day 23					
Day 24					
Day 25					
Day 26					
Day 27					
Day 28					
Day 29					
Day 30					

☐ No deviation occurred in this quarter.

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

Submitted by:

Title / Position:

Signature:

Date:

Phone:

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
SULFUR DIOXIDE EMISSION QUARTERLY REPORT

Source Name: Hoosier Energy Rural Electric Coop. (REC), Inc.
Merom Generating Station
Source Address: 5500 West Old 54, Sullivan, Indiana 47882
Mailing Address: 5500 West Old 54, Sullivan, Indiana 47882
Part 70 Permit No.: T153-28006-00005
Facilities: 2 Auxiliary Boilers
Parameter: Fuel Usage
Limit: Less than 1,126.76 kilo-gallons of No. 2 fuel oil per twelve (12) consecutive months

YEAR: _____ QUARTER: _____

Month	Fuel Usage (kilo-gallons)	Fuel Usage (kilo-gallons)
	This Month	Last 12 Month Total

☐ No deviation occurred in this month.

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

Form Completed By: _____

Title/Position: _____

Signature: _____

Date: _____

Telephone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document (ATSD) for a Minor Permit Modification to a Part 70 Operating Permit

Source Description and Location

Source Name:	Hoosier Energy Merom REC, Inc. - Merom Generating Station
Source Location:	5500 West Old 54, Sullivan, Indiana 47882
County:	Sullivan County
SIC Code:	4911
Minor Permit Modification No.:	153-30547-00005
Permit Reviewer:	David J. Matousek

The Office of Air Quality (OAQ) has reviewed an application for a minor permit modification to a Part 70 Operating Permit, submitted by Hoosier Energy REC, Inc. - Merom Generating Station on April 26, 2011. The application relates to the construction of an SO_3 Mitigation System consisting of two (2) trona storage silos, identified as U1R Silo and U2R Silo, each controlled by two bin vent filters.

Public Notice Information

On May 26, 2011, the Office of Air Quality (OAQ) had a notice published in the Sullivan Daily Times in Sullivan, Indiana stating that Hoosier Energy REC, Inc. - Merom Generating Station had applied for a minor modification to their Part 70 Operating Permit Renewal issued on September 8, 2010. The notice also stated that the OAQ proposed to issue a minor permit modification to the Part 70 Operating Permit Renewal 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 and IDEM's Responses

IDEM received a comment during the public notice period. IDEM's responses to the comment received are shown below. The Technical Support Document (TSD) placed on public notice will not be revised. IDEM prefers to keep the TSD unchanged for historical purposes. Revisions required as a result of comments received are addressed in this ATSD.

Source Comment #1
On June 24, 2011, Hoosier Energy REC, Inc. - Merom Generating Station requested IDEM to incorporate the conditions of a settlement and stay agreement signed on March 2, 2011 for Cause No. 10-A-J-4417 into this minor permit modification.

IDEM Response #1
The settlement and stay agreement cannot be incorporated into the Part 70 Operating Permit by a minor permit modification. It can not be processed in a Minor Permit Modification. IDEM will incorporate the required changes in the pending significant permit modification. No revisions to the draft permit are required as a result of this comment.

Additional IDEM Changes

Upon further review, IDEM decided to make additional changes to this minor permit modification to a Part 70 Operating Permit Renewal. The changes are described below:

IDEM Change #1
IDEM must address greenhouse gas emissions and PM2.5 emissions in all permit applications beginning on July 1, 2011. As a result, IDEM has updated the emission calculations to add PM2.5 emissions. They are attached to this TSD as Appendix A to the TSD. However, green house gas emissions are not required; because, the emission units proposed in this modification do not emit green house gasses.

IDEM Contact

Questions regarding this proposed permit can be directed to:

David J. Matousek
Indiana Department Environmental Management
Office of Air Quality
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, Indiana 46204-2251
Toll free (within Indiana): 1-800-451-6027 extension (2-8253)
Or dial directly: (317) 232-8253
dmatouse@idem.in.gov

Please reference permit number T153-30547-00005 in all correspondence.

Technical Support Document - Appendix A - Emission Summary Sheet

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

Limited Potential to Emit (ton/yr)									
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO_2**	**VOC**	**CO**	**NOx**	**Single HAP**	**Total HAPs**
Silo U1R	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Silo U2R	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Paved Roads - Fugitive	0.41	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Total for Modification	0.49	0.16	0.10	0.00	0.00	0.00	0.00	0.00	0.00
PSD Significant Level	25.00	15.00	10.00	40.00	40.00	100.00	40.00	---	---
Significant Modification	No	No	No	No	No	No	No	---	---

Unlimited Potential to Emit (ton/yr)									
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO_2**	**VOC**	**CO**	**NOx**	**Single HAP**	**Total HAPs**
Silo U1R	4.03	4.03	4.03	0.00	0.00	0.00	0.00	0.00	0.00
Silo U2R	4.03	4.03	4.03	0.00	0.00	0.00	0.00	0.00	0.00
Paved Roads - Fugitive	0.82	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Total for Modification	8.88	8.22	8.10	0.00	0.00	0.00	0.00	0.00	0.00

Technical Support Document - Appendix A - Particulate Emissions from Silo U1R

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

1) Determine Maximum Throughput

Maximum Trona Throughput	3,000.00	lb trona/hr
	1.50	ton trona/hr
	13,140.00	tons trona/yr

2) Potential to Emit

Uncontrolled PTE (TPY)				
Emission Unit	**Throughput (ton/hr)**	**Emission Factor (lb PM/PM10/2.5 /ton)**	**PM/PM10/2.5 (lb/hr)**	**PM/PM10/2.5 (ton/yr)**
U1R	1.5	0.61	0.92	4.03
Emission Factor Source: U.S. EPA AP-42, Table 11.17-4, SCC 3-05-016-26, dated February 1998.				

3) Limited Potential to Emit

Emission Unit	**PM/PM10/2.5 (TPY)**	**Control Efficiency**	**PM/PM10/2.5 (TPY)**
U1R	4.03	99%	0.04

4) 326 IAC 6-3-2 Particulate Emission Limitations - Processes Weight Rates in Excess of 60,000 pounds per hour

Process Weight Rate

1.5 tons/hr

Allowable Emission Rate

E = (4.10 x P^0.67)

Allowable Emissions	E =	5.38	lb/hr
Potential Emissions	PTE =	0.92	lb/hr

The emission unit can comply with 326 IAC 6-3-2 without a control device.

Technical Support Document - Appendix A - Particulate Emissions from Silo U2R

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

1) Determine Maximum Throughput

Maximum Trona Throughput	3,000.00	lb trona/hr
	1.50	ton trona/hr
	13,140.00	tons trona/yr

2) Potential to Emit

Uncontrolled PTE (TPY)				
Emission Unit	**Throughput (ton/hr)**	**Emission Factor (lb PM/PM10/2.5 /ton)**	**PM/PM10/2.5 (lb/hr)**	**PM/PM10/2.5 (ton/yr)**
U2R	1.5	0.61	0.92	4.03
Emission Factor Source: U.S. EPA AP-42, Table 11.17-4, SCC 3-05-016-26, dated February 1998.				

3) Limited Potential to Emit

Emission Unit	**PM/PM10/2.5 (TPY)**	**Control Efficiency**	**PM/PM10/2.5 (TPY)**
U2R	4.03	99%	0.04

4) 326 IAC 6-3-2 Particulate Emission Limitations - Processes Weight Rates in Excess of 60,000 pounds per hour

Process Weight Rate

1.5 tons/hr

Allowable Emission Rate

E = (4.10 x P^0.67)

Allowable Emissions	E =	5.38	lb/hr
Potential Emissions	PTE =	0.92	lb/hr

The emission unit can comply with 326 IAC 6-3-2 without a control device.

Technical Support Document - Appendix A - Emission Calculation Sheet
Emissions from Paved Roads

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

Average Vehicle Weight Calculation

Vehicle Type	Trucks/Day	Average Weight (tons)	Total Trips per Year	Miles per Trip	Vehicle Miles Traveled (miles per year)	Traffic Component (%)	Component Weight (tons)
Transfer Trailer	1.4	45	525.6	1.00	526	47.847%	21.53
Transfer Trailer	1.4	45	525.6	1.09	573	52.153%	23.47
				Total VMT	1,099		
				Average Vehicle Weight (tons) - W			45.00

Site Specific Constants

Value Name	Symbol	Value	Units	Source
Emission Factor	E	---	lb/VMT	Calculated
Particle Size Multiplier	k for PM	0.011	lb/VMT	AP-42 Table 13.2.1-1, January 2011
Silt Loading	sL (Non-Winter)	7.4	g/cubic meter	Assumed by applicant
Winter Days	Winter Days	90	days	Estimated by IDEM
Non-Winter Days	Non-Winter Days	275	days	Estimated by IDEM
Days >0.01" of rain	P	125	days	AP-42, Figure 13.2.1-2, January 2011
Total Days in Period	N	365	days	Days in the period
Mean Vehicle Weight	W	14.05	tons	Calculated above

Winter Emission Factor Calculations

E = [k * (sL for winter)^0.91 * (W)^1.02] * [1 - P/(4 * N)] AP-42, Chapter 13.2.1-5, January 2011, Eq. 2

E for PM (lb/VMT) = 3.25 lb/VMT
E for PM10 (lb/VMT) = 0.65 lb/VMT
E for PM2.5 (lb/VMT) = 0.16 lb/VMT

Non-Winter Emission Factor Calculations

E = [k * (sL for non-winter)^0.91 * (W)^1.02] * [1 - P/(4 * N)] AP-42, Chapter 13.2.1-5, January 2011, Eq. 2

E for PM (lb/VMT) = 0.92 lb/VMT
E for PM10 (lb/VMT) = 0.18 lb/VMT
E for PM2.5 (lb/VMT) = 0.05 lb/VMT

Annual Average Emission Factors

Annual Average Emission Factor = [Winter Days * Winter Factor + Non-Winter Days * Non-Winter Factor] / 365

E for PM (lb/VMT) = 1.49 lb/VMT
E for PM10 (lb/VMT) = 0.30 lb/VMT
E for PM2.5 (lb/VMT) = 0.08 lb/VMT

Potential to Emit

PM Emissions (TPY) = [Annual Average E for PM (lb/VMT) * Total VMT/yr * 1 ton / 2,000 lb] 0.82 TPY
PM10 Emissions (TPY) = [Annual Average E for PM10 (lb/VMT) * Total VMT/yr * 1 ton / 2,000 lb] 0.16 TPY
PM2.5 Emissions (TPY) = [Annual Average E for PM2.5 (lb/VMT) * Total VMT/yr * 1 ton / 2,000 lb] 0.04 TPY

Limited Potential to Emit

Control Efficiency 50.00% (street sweeping and water application)

Limited PM Emissions (TPY) = Potential to Emit PM * (1 - Control Efficiency) 0.41 TPY
Limited PM10 Emissions (TPY) = Potential to Emit PM10 * (1 - Control Efficiency) 0.08 TPY
Limited PM2.5 Emissions (TPY) = Potential to Emit PM2.5 * (1 - Control Efficiency) 0.02 TPY

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Minor Source and Minor Permit Modification

Source Description and Location

Source Name:	Hoosier Energy REC, Inc. – Merom Generating Station
Source Location:	5500 W Old 54, Sullivan, Indiana 47882
County:	Sullivan
SIC Code:	4911
TV Permit No.:	T 153-28006-00005
Operation Permit Issuance Date:	September 8, 2010
MSM No.:	153-30486-00005
MPM No.:	153-30547-00005
Permit Reviewer:	David J. Matousek

Existing Approvals

The source was issued Part 70 Operating Permit No. T 153-28006-00005 on September 8, 2010. The source has since received the following approvals:

(a) Temporary Operation No. 153-29820-00005, issued on October 28, 2010.

County Attainment Status

The source is located in Sullivan County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

Unclassifiable or attainment effective April 5, 2005, for $PM_{2.5}$.

(a) Ozone Standards

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

(b) $PM_{2.5}$

Sullivan 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) Other Criteria Pollutants

Sullivan County has been classified as attainment or unclassifiable in Indiana for SO_2, CO, O_3, PM_{10}, NO_2, and Pb. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Since this source is classified as a fossil-fuel-fired steam electric plants of more than two hundred fifty million (250,000,000) British thermal units per hour heat input, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-(gg)(1).

Fugitive Emissions

Since this source is classified as a stationary electric generating station, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Source Status

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

Pollutant	**Emissions** (ton/yr)
PM	> 100
PM_{10}	> 100
SO_2	> 100
VOC	> 100
CO	> 100
NO_X	> 100
Single HAP	> 10
Total HAPs	> 25

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of particulate matter less than ten (10) microns (PM_{10}), sulfur dioxide (SO_2), nitrogen oxides (NO_x) and carbon monoxide (CO) are equal to or greater than 100 tons per year. Therefore, the source is a major source for the Prevention of Significant Deterioration (PSD).

(b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-1.1-1(29)) of a combination of HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7, and is a major source under Section 112 of the Clean Air Act (CAA).

(c) Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD and Part 70 applicability.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Hoosier Energy REC, Inc. - Merom Generating Station on April 26, 2011, relating to the construction of an SO_3 Mitigation System consisting of two (2) trona storage silos, identified as U1R Silo and U2R Silo, each controlled by two bin vent filters.

The following is a list of the proposed emission units and pollution control devices:

(a) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

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

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

Increase in PTE Before Controls of the Modification	
Pollutant	**Potential To Emit** (ton/yr)
PM	8.88
PM_{10}	8.22
SO_2	0.00
VOC	0.00
CO	0.00
NO_X	0.00
Single HAPs	0.00
Total HAPs	0.00

Pursuant to 326 IAC 2-7-10.5(d)(3)(A), this is a minor source modification because the modification has a potential to emit of less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of either particulate matter (PM) or particulate matter less than ten (10) microns.

Additionally, the modification will be incorporated into the Part 70 Operating Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b), because the modification does not qualify for an administrative amendment and a significant permit modification is not required.

Permit Level Determination – PSD

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

	Potential to Emit (ton/yr)					
Process / Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**
Storage Silo U1R	0.04	0.04	0.00	0.00	0.00	0.00
Storage Silo U2R	0.04	0.04	0.00	0.00	0.00	0.00
Fugitive Truck Emissions	0.41	0.08	0.00	0.00	0.00	0.00
Total for Modification	0.49	0.16	0.00	0.00	0.00	0.00
PSD Major Source Thresholds	100	100	100	100	100	100
Significant Level	25	15	40	40	100	40

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

Federal Rule Applicability Determination

NSPS:

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included with this proposed modification.

NESHAP:

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

CAM:

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the Part 70 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 trona storage silos, identified as U1R and U2R, do not have a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutants involved; therefore, the requirements of CAM do not apply to these units.

State Rule Applicability Determination

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

326 IAC 2-2 (Prevention of Significant Deterioration)
PSD applicability is discussed under the Permit Level Determination – PSD.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the trona storage silos, identified as U1R and U2R, shall not exceed 5.38 pounds per hour, each, when operating at a process weight rate of 1.5 tons per hour. The pound per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

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.

There are no new Compliance Determination Requirements applicable to this modification.

There are no new Compliance Monitoring Requirements applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T153-28006-00005. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Modification No. 1:

Section A.2, and the facility description boxes in Sections D.1, E.1, F and G have been revised to include the SO3 sorbent injection system into the control equipment descriptions for the boilers identified as Units 1 and 2. Revision to this section are shown below:

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) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:

SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

****

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:

SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

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SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

****

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

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

SECTION E.1 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

****

Controlled emissions from Unit 1 are exhausted to the atmosphere through a 19-foot diameter flue liner (SV1) which is housed in a 700-foot stack that is shared by both Unit 1 and Unit 2. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO_2) and nitrogen oxides (NO_x) emissions are measured with a SO_2 continuous emission monitor system (CEMS) and a NO_x CEMS, respectively.

Under 40 CFR Part 60, Subpart D, Unit 1 is an affected facility.

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 2 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

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

SECTION F **ACID RAIN PROGRAM CONDITIONS**

ORIS Code - 6213

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
Selective Catalytic Reduction (SCR).

****

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
SO3 Mitigation System (Trona Injection),
Electrostatic precipitator (ESP),
Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
Selective Catalytic Reduction (SCR).

****

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

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

ORIS Code: 6213

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

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

(a) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 1 or 1SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 1 can not operate at load solely using No. 2 fuel oil.

Unit 1 utilizes the following control equipment:
- SO3 Mitigation System (Trona Injection),
- Electrostatic precipitator (ESP),
- Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE1B), and
- Selective Catalytic Reduction (SCR).

****

(b) One (1) pulverized coal-fired dry bottom boiler, identified as Unit 2 or 2SG1, constructed in 1976, rated at 5,088 million BTU per hour (MMBTU/hr) energy input, used to generate up to 490 megawatts (gross) of electricity. Unit 1 uses No. 2 fuel oil for start ups and flame stabilization. Unit 2 can not operate at load solely using No. 2 fuel oil.

Unit 2 utilizes the following control equipment:
- SO3 Mitigation System (Trona Injection),
- Electrostatic precipitator (ESP),
- Flue Gas Desulfurization (FGD) Wet Nonregenerative Scrubber System (identified as CE2B), and
- Selective Catalytic Reduction (SCR).

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

Modification No. 2:

Section A.3 has been modified to included the SO_3 Mitigation System. Revision to this section are shown below:

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

****

(r) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

Modification No. 1:

Section D.5 has been modified to included the SO_3 Mitigation System. Revision to this section are shown below:

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Fly Ash/Lime Kiln Dust/FGD Slurry/Bottom Ash Handling Facilities:

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Insignificant Activities

(r) One (1) SO_3 Mitigation System consisting of the following emission units:

(1) One (1) trona storage silo, approved for construction in 2011, identified as U1R Silo, with a storage capacity of 2,000 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U1R Silo Baghouse 1 and U1R Baghouse 2, exhausting to stacks U1R Silo Baghouse 1 Vent and U1R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(2) One (1) trona storage silo, approved for construction in 2011, identified as U2R Silo, with a with a storage capacity of 1,200 FT^3 and a maximum throughput of 1.5 tons per hour of trona, emissions are controlled by two bin vent filters, identified as U2R Silo Baghouse 1 and U2R Baghouse 2, exhausting to stacks U2R Silo Baghouse 1 Vent and U2R Silo Baghouse 2 Vent. [326 IAC 6-3-2]

(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.5.1 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations, work practices, and control technologies), the particulate emission rates shall not exceed the given values as follows:

Emission Unit	Process Weight Rate, P: (tons/hr)	Emission Rate, E: (lbs/hr)
Fly Ash Silos: 1A, 1B, 2A, 2B; each	100	51.3
Fly Ash Silo IUCS	75	48.4
Lime Silo at IUCS	3	8.6
Lime Silo at WWT	0.0125	0.551
Pug Mills: 1, 2; each	300	63.0
Pozz-O-Tec Drop Point	300	63.0
Bottom Ash Decant (comb. = 125 tph)	125	53.5
Trona Storage Silos: U1R and U2R, each	**1.5**	**5.38**

****

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 153-30486-00005 and Minor Permit Modification No. 153-30547-00005. The staff recommend to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to David J. Matousek at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) or toll free at 1-800-451-6027 extension 2-8253.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Technical Support Document - Appendix A - Emission Summary Sheet

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

Limited Potential to Emit (ton/yr)								
Emission Unit	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NOx**	**Single HAP**	**Total HAPs**
Silo U1R	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Silo U2R	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Paved Roads - Fugitive	0.41	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Total for Modification	0.49	0.16	0.00	0.00	0.00	0.00	0.00	0.00
PSD Significant Level	25.00	15.00	40.00	40.00	100.00	40.00	---	---
Significant Modification	No	No	No	No	No	No	---	---

Unlimited Potential to Emit (ton/yr)								
Emission Unit	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NOx**	**Single HAP**	**Total HAPs**
Silo U1R	4.03	4.03	0.00	0.00	0.00	0.00	0.00	0.00
Silo U2R	4.03	4.03	0.00	0.00	0.00	0.00	0.00	0.00
Paved Roads - Fugitive	0.82	0.16	0.00	0.00	0.00	0.00	0.00	0.00
Total for Modification	8.88	8.22	0.00	0.00	0.00	0.00	0.00	0.00

Technical Support Document - Appendix A - Particulate Emissions from Silo U1R

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

1) Determine Maximum Throughput

Maximum Trona Throughput	3,000.00	lb trona/hr
	1.50	ton trona/hr
	13,140.00	tons trona/yr

2) Potential to Emit

Uncontrolled PTE (TPY)				
Emission Unit	**Throughput (ton/hr)**	**Emission Factor (lb PM/PM10 /ton)**	**PM/PM10 (lb/hr)**	**PM/PM10 (ton/yr)**
U1R	1.5	0.61	0.92	4.03
Emission Factor Source: U.S. EPA AP-42, Table 11.17-4, SCC 3-05-016-26, dated February 1998.				

3) Limited Potential to Emit

Emission Unit	**PM/PM10 (TPY)**	**Control Efficiency**	**PM/PM10 (TPY)**
U1R	4.03	99%	0.04

4) 326 IAC 6-3-2 Particulate Emission Limitations - Processes Weight Rates in Excess of 60,000 pounds per hour

Process Weight Rate

1.5 tons/hr

Allowable Emission Rate

E = (4.10 x P^0.67)

Allowable Emissions	E =	5.38	lb/hr
Potential Emissions	PTE =	0.92	lb/hr

The emission unit can comply with 326 IAC 6-3-2 without a control device.

Technical Support Document - Appendix A - Particulate Emissions from Silo U2R

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

1) Determine Maximum Throughput

Maximum Trona Throughput	3,000.00	lb trona/hr
	1.50	ton trona/hr
	13,140.00	tons trona/yr

2) Potential to Emit

Uncontrolled PTE (TPY)				
Emission Unit	**Throughput (ton/hr)**	**Emission Factor (lb PM/PM10 /ton)**	**PM/PM10 (lb/hr)**	**PM/PM10 (ton/yr)**
U2R	1.5	0.61	0.92	4.03
Emission Factor Source: U.S. EPA AP-42, Table 11.17-4, SCC 3-05-016-26, dated February 1998.				

3) Limited Potential to Emit

Emission Unit	**PM/PM10 (TPY)**	**Control Efficiency**	**PM/PM10 (TPY)**
U2R	4.03	99%	0.04

4) 326 IAC 6-3-2 Particulate Emission Limitations - Processes Weight Rates in Excess of 60,000 pounds per hour

Process Weight Rate

1.5 tons/hr

Allowable Emission Rate

E = (4.10 x P^0.67)

Allowable Emissions	E =	5.38	lb/hr
Potential Emissions	PTE =	0.92	lb/hr

The emission unit can comply with 326 IAC 6-3-2 without a control device.

Technical Support Document - Appendix A - Emission Calculation Sheet
Emissions from Paved Roads

Company Name: Hoosier Energy REC, Inc. - Merom Generating Station
Address: 550 West Old 54, Sullivan, Indiana 47882
Permit Number: 153-30547-00005
Plt ID: 153-00005
Reviewer: David J. Matousek
Date: May 13, 2010

Average Vehicle Weight Calculation

Vehicle Type	Trucks/Day	Average Weight (tons)	Total Trips per Year	Miles per Trip	Vehicle Miles Traveled (miles per year)	Traffic Component (%)	Component Weight (tons)
Transfer Trailer	1.4	45	525.6	1.00	526	47.847%	21.53
Transfer Trailer	1.4	45	525.6	1.09	573	52.153%	23.47
				Total VMT	1,099		
				Average Vehicle Weight (tons) - W			45.00

Site Specific Constants

Value Name	Symbol	Value	Units	Source
Emission Factor	E	---	lb/VMT	Calculated
Particle Size Multiplier	k for PM	0.011	lb/VMT	AP-42 Table 13.2.1-1, January 2011
Particle Size Multiplier	k for PM10	0.0022	lb/VMT	AP-42 Table 13.2.1-1, January 2011
Silt Loading	sL (Winter)	29.6	g/cubic meter	AP-42, Table 13.2.1-2, January 2011, ADT <500
Silt Loading	sL (Non-Winter)	7.4	g/cubic meter	Assumed by applicant
Winter Days	Winter Days	90	days	Estimated by IDEM
Non-Winter Days	Non-Winter Days	275	days	Estimated by IDEM
Days >0.01" of rain	P	125	days	AP-42, Figure 13.2.1-2, January 2011
Total Days in Period	N	365	days	Days in the period
Mean Vehicle Weight	W	14.05	tons	Calculated above

Winter Emission Factor Calculations

E = [k * (sL for winter)^0.91 * (W)^1.02] * [1 - P/(4 * N)] AP-42, Chapter 13.2.1-5, January 2011, Eq. 2

E for PM (lb/VMT) = 3.25 lb/VMT
E for PM10 (lb/VMT) = 0.65 lb/VMT

Non-Winter Emission Factor Calculations

E = [k * (sL for non-winter)^0.91 * (W)^1.02] * [1 - P/(4 * N)] AP-42, Chapter 13.2.1-5, January 2011, Eq. 2

E for PM (lb/VMT) = 0.92 lb/VMT
E for PM10 (lb/VMT) = 0.18 lb/VMT

Annual Average Emission Factors

Annual Average Emission Factor = [Winter Days * Winter Factor + Non-Winter Days * Non-Winter Factor] / 365

E for PM (lb/VMT) = 1.49 lb/VMT
E for PM10 (lb/VMT) = 0.30 lb/VMT

Potential to Emit

PM Emissions (TPY) = [Annual Average E for PM (lb/VMT) * Total VMT/yr * 1 ton / 2,000 lb] 0.82 TPY
PM10 Emissions (TPY) = [Annual Average E for PM10 (lb/VMT) * Total VMT/yr * 1 ton / 2,000 lb] 0.16 TPY

Limited Potential to Emit

Control Efficiency 50.00% (street sweeping and water application)

Limited PM Emissions (TPY) = Potential to Emit PM * (1 - Control Efficiency) 0.41 TPY
Limited PM10 Emissions (TPY) = Potential to Emit PM10 * (1 - Control Efficiency) 0.08 TPY

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: Angie Lee
Hoosier Energy, REC, Inc.
POB 908
Bloomington, IN 47402

DATE: July 28, 2011

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

SUBJECT: Final Decision
Title V
153-30547-00005

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:
Karl Back, 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.
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Thomas W. Easterly
Commissioner

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Toll Free (800) 451-6027
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July 28, 2011

TO: Sullivan County Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Hoosier Energy REC, Inc
Permit Number: 153-30547-00005

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 7/27/2011 Hoosier Energy REC, Inc. - Merom Generating Station 153-30547-00005 (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		Angie Lee Hoosier Energy REC, Inc. - Merom Generating Statio PO Box 908 Bloomington IN 47402-0908 (Source CAATS) (CONFIRM DELIVERY)									
2		Karl Back Plant Mgr Hoosier Energy REC, Inc. - Merom Generating Statio 5500 W Old 54 Sullivan IN 47882 *(RO CAATS)*									
3		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 *(Affected Party)*									
4		Ms. Beverly Coulson 4800 W. State Rd 54 Sullivan IN 47882 *(Affected Party)*									
5		Sullivan City Council and Mayors Office 32 N. Court St. Sullivan IN 47882 *(Local Official)*									
6		Sullivan County Health Department 31 N Court Street Sullivan IN 47882-1509 *(Health Department)*									
7		Sullivan County Commissioners 100 Courthouse Square Sullivan IN 47882-1593 *(Local Official)*									
8		Sullivan Co Public Library 100 S Crowder Sullivan IN 47882-1750 *(Library)*									
9		Mr. Richard Monday 545 E. Margaret Dr. Terre Haute IN 47801 *(Affected Party)*									
10		Ms. Kathy Cash 1200 G St. NW Suite 1000 Washington DC 2005 *(Affected Party)*									
11											
12											
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