Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Modification to a
Part 70 Operating Permit

for NIPSCO R.M. Schahfer Generating Station in Jasper County

Significant Permit Modification No.: 073-37137-00008

The Indiana Department of Environmental Management (IDEM) has received an application from NIPSCO R.M. Schahfer Generating Station, located at 2723 East 1500 North, Wheatfield, IN 46392, for a significant modification of its Part 70 Operating Permit issued on December 28, 2012. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow NIPSCO R.M. Schahfer Generating Station to make certain changes at its existing source. NIPSCO R.M. Schahfer Generating Station has applied to add an exemption for Unit 15 from the PM and opacity limitations in 40 CFR 60.42(a)(1) and (2) and to allow Unit 15 to comply with the PM limit in 40 CFR 60.42Da(a). Furthermore, the source would like to utilize PM CEMS in lieu of COMS for Units 14, 15, 17, and 18.

This draft significant permit modification does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

A copy of the permit application and IDEM's preliminary findings are available at:

Wheatfield Public Library
350 S. Bierma Street
Wheatfield, IN 46392

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPM073-37137-00008 in all correspondence.

Comments should be sent to:

Deena Patton
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-5400
Or dial directly: (317) 234-5400
Fax: (317) 232-6749 attn: Deena Patton
E-mail: dpatton2@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Deena Patton of my staff at the above address.

Tripurari Sinha

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

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DRAFT

Mr. Stephen Holcomb
Northern Indiana Public Service Company (NIPSCO)
801 E. 86th Avenue
Merrillville, IN 46410

Re: 073-37137-00008
Significant Permit Modification to
Part 70 Renewal No.: T073-29983-00008

Dear Mr. Holcomb,

NIPSCO - R.M. Schahfer Generating Station was issued Part 70 Operating Permit Renewal No. T073-29983-00008 on December 28, 2012 for a stationary electric power generating plant located at 2723 E. 1500 N, Wheatfield, IN 46392. An application requesting changes to this permit was received on April 29, 2016. Pursuant to the provisions of 326 IAC 2-7-12, a Significant Permit Modification to this permit is hereby approved as described in the attached Technical Support Document.

Please find attached the entire Part 70 Operating Permit as modified. The permit references the below listed attachment(s), since these attachments were provided in previously issued approvals for this source, IDEM OAQ has not included a copy of these attachments with this modification:

Attachment A: Decree Paragraphs and Tables
Attachment B: NIPSCO - Concent Decree
Attachment C: 40 CFR 60, Subpart D, Standards of Performance fo Fossil - Fuel-Fired Steam Generators
Attachment D: 40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units
Attachment E: 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation and Processing Plants
Attachment F: 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines
Attachment G: 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines
Attachment H: 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Attachment I: 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants
Attachment J: Acid Rain Permit
Attachment K: Order of the Commissioner
Attachment L: 40 CFR 63, Subpart UUUUU, NESHAP: Coal- and Oil- Fired Electric Utility Steam Generating Units

Previously issued approvals for this source containing these attachments are available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to

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the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

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 Deena Patton, of my staff, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251 at 317-234-5400 or 1-800-451-6027, and ask for extension 4-5400.

Sincerely,

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

Attachments: Modified Permit and Technical Support Document
cc: File - Jasper County
Jasper County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch

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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY
DRAFT
NIPSCO - R.M. Schahfer Generating Station
2723 East 1500 North
Wheatfield, Indiana 46392

(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.: T073-29983-00008	
Issued by: Original Signed Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: December 28, 2012 Expiration Date: December 28, 2017

Significant Permit Modification No. 073-33089-00008, issued on July 30, 2013
Administrative Amendment No. 073-34380-00008, issued on April 15, 2014
Significant Permit Modification No. 073-34257-00008, issued on June 24, 2014
Administrative Amendment No.: 073-35124-00008, issued on December 18, 2014
Significant Permit Modification No.: 073-36384-00008, issued on December 29, 2015.
Administrative Amendment No.: 073-36680-00008, issued on January 25, 2016.
Administrative Amendment No.: 073-37007-00008, issued on April 13, 2016

Significant Permit Modification No. 073-37137-00008	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: December 28, 2017

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary electric utility generating station.

Source Address:	Environmental, Health & Safety Department, 2723 East 1500 North, Wheatfield, Indiana 46392
General Source Phone Number:	219-647-5312
SIC Code:	4911
County Location:	Jasper
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under 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(14)]

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

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, a reagent injection system, a flue gas desulfurization system, and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(e) Two (2) natural gas-fired combustion turbines, identified as 16A and 16B, constructed in 1979, each with a design heat input capacity of 1,450 million Btu per hour (MMBtu/hr), each using water injection as needed for NO_X control, exhausting to stacks 16A and 16B, respectively. Units 16A and 16B have continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X), and continuous monitoring systems to measure the water to fuel ratio.

(f) Coal storage and handling systems for Unit 14 and 15 boilers, constructed in 1972.

(1) Rail car unloading with wet suppression for PM control during unloading and enclosure for ancillary dust control.

(2) Coal pile unloading, coal storage pile(s), material handling equipment, and coal conveyors.

(3) Transfer House, with carryover wet suppression and enclosed transfer points within an enclosure for ancillary dust control, with an estimated throughput of 3,000 tons per hour.

(4) Crusher House, with carryover wet suppression for PM control and enclosed transfer points within an enclosure for ancillary dust control.

(5) Tripper House to tripper bays, with enclosed transfer points within an enclosure for dust control.

(6) Two (2) tripper bays with an estimated combined capacity of 3,000 tons per hour, with carryover wet suppression for PM control, each using an enclosure for ancillary dust control.

(g) Fuel storage and handling systems for Unit 17 and 18 boilers.

(1) Rail car unloading of coal, with a multi-compartment baghouse for PM control and enclosure for ancillary dust control.

(2) Truck unloading of petroleum coke (petcoke).

(3) Coal pile unloading, coal storage pile(s), petcoke pile unloading, petcoke storage pile(s), material handling equipment, and conveyors.

(4) Transfer House with an estimated throughput of 4,000 tons per hour, with enclosed transfer points within an enclosure for ancillary dust control, with a multi-compartment baghouse for PM control. To produce petcoke blends, coal and petcoke are combined in rotary plow during transfer to conveyor.

(5) Crusher House with a designated capacity of 3,000 tons per hour, with enclosed transfer points within an enclosure for dust control, with a multi-compartment baghouse for PM control.

(6) Transfer House to tripper with an estimated throughput of 3,000 tons per hour, with enclosed transfer points within an enclosure for ancillary dust control, with a baghouse identified as TFDC-XFR for PM control, constructed in 2015.

(7) Two (2) tripper conveyors with an estimated combined throughput of 3,000 tons per hour with enclosure for ancillary dust control, with a baghouse identified as TFDC-18 for PM control, constructed in 2015.

(8) Twelve (12) Fuel Silos (bunkers) with enclosure for dust control, with two (2) baghouses, identified as TFDC-17 and TFDC-18, for PM control, constructed in 2015.

(h) Material handling for the flue gas desulfurization systems for Unit 17 and 18 boilers, including the following:

(1) One (1) limestone slurry preparation system with a maximum hourly throughput rate of 38,941 pounds of limestone per hour.

(2) Three (3) ground limestone pneumatic truck unloading systems connected to Unit 17 and Unit 18 limestone silos, with baghouses for PM control.

(3) One (1) gypsum conveying system, with a maximum design throughput of 150 tons per hour. All gypsum is handled wet.

(4) One (1) radial stacker, identified as 7MX04G-RS, shared among Units 14, 15 and 17, with rated capacity of 220 tons/hour. Replacement was completed in 2013.

(5) One (1) radial stacker, identified as 8MX04G-RS, shared among Units 14, 15 and 18, with rated capacity of 220 tons/hour, Replacement to be completed in 2016.

(i) Dry fly ash handling and disposal.

(1) Pneumatic conveyance to storage silos, with a design capacity of 70 tons per hour of fly ash from Units 14 and 15 combined, and a design capacity of 63 tons per hour of fly ash from each of Units 17 and 18.

(2) Fly ash storage silos for Units 14, 15, 17, and 18, with cyclone separators, silo collector bag filters, and silo bin vent bag filters. Each silo has wet and dry unloaders, each with a design unloading capacity of 300+ tons per hour, with particulate emissions controlled by the use of a telescoping chute with a vacuum system and a bin vent filter when the ash is being loaded dry, and controlled by the use of water spray mixed with the ash when the ash is being loaded wet.

(3) Transportation by truck via in-plant haul roads; and onsite disposal area.

(j) Wet process bottom ash handling, with sluicing lines conveying ash to storage ponds in the Waste Disposal Area.

(k) Ponded bottom ash handling/removal operations.

(l) Material handling for the flue gas desulfurization systems for Unit 14 and Unit 15 boilers, including the following:

(1) Transportation of limestone by truck on paved road.

(2) Three (3) storage silos originally used for dual-alkali FGD system with baghouses for PM control. Ground limestone pneumatic truck unloading systems for Unit 14 and Unit 15 limestone silos, with integrated bin vent filter,-constructed in 2013.

(3) Two (2) new "takeaway" conveyors to constructed in 2013 for transfer of dewatered gypsum from belt filters to incline belt conveyors.

(4) Two (2) upgraded incline belt conveyors constructed in 2013 and shared among Units 14, 15, 17 and 18 for transfer of dewatered gypsum to the radial stackers.

(5) Transportation of off-specification gypsum by truck on unpaved roads.

(6) Pneumatic lime unloading system and storage silo at the existing wastewater treatment plant.

(7) Lime Transport Truck traffic on paved roads.

(8) Pneumatic sorbent unloading system to unload sorbent from the trucks and transfer to the storage silos, permitted in 2013.

(9) Two (2) 6,755 cubic feet sorbent storage silos that are equipped with bin vent filters that exhaust to the atmosphere, four (4) weigh hoppers and variable speed screw feeders to transport sorbent from the storage silos to the sorbent mills using a pneumatic conveying system, permitted in 2013.

(10) Two (2) sorbent mills used to grind sorbent material for injection in to Unit 14 (no exhaust to the atmosphere), permitted in 2013.

(11) One (1) sorbent mill used to grind sorbent material for injection in to Unit 15 (no exhaust to the atmosphere), permitted in 2013.

(m) Material handling and storage facilities for the activated carbon systems for Unit 14 and Unit 15 boilers, approved for construction in 2014, including the following:

(1) Two (2) storage silos, with one (1) silo for the Unit 14 activated carbon system and one (1) silo for the Unit 15 activated carbon system. Each silo has a capacity of 160 tons and is equipped with a bin vent filter to recover the pneumatically conveyed material.

(2) Pneumatic conveyance of activated carbon to storage silos from the pneumatic delivery trucks.

(3) Mechanical/gravitational conveyance of activated carbon from the storage silos to the feed hopper.

(4) Pneumatic conveyance of activated carbon from the feed hopper to the injection grid.

(5) An injection grid for each unit to deliver activated carbon into the flue gas path upstream from the ESP with maximum injection rate of 6 pounds per million actual cubic feet (acf).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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

(a) Conveyors as follows: [326 IAC 6-3]

(1) Covered conveyor for coal or coke conveying of less than or equal to 360 tons per day;

(2) Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;

(3) Uncovered coal conveying of less than or equal to 120 tons per day; and

(4) Underground conveyors.

(b) Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6-3]

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

(d) Any of the following structural steel and bridge fabrication activities: [326 IAC 6-3]

(1) Cutting 200,000 linear feet or less of one inch (10) plate or equivalent.

(2) Using 80 tons or less of welding consumables.

(e) One (1) diesel-fired, compression-ignited, 334 horsepower engine for a stationary fire pump system, constructed before July 11, 2005. .[Under 40 CFR 60, Subpart IIII, emergency quench pumps are considered a new affected source]

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

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(1) Evaporation of Boiler Chemical Cleaning wastes.

(2) Coal pile wind erosion. [326 IAC 6-4]

(3) Wet handling of FGD sludge material collected from the FGD building sumps, sluiced to the Material Storage Runoff Pond. FGD material dredged from pond inlet area is dewatered on the pond bank with trucks conveying dewatered material to onsite landfill. [326 IAC 6-4]

(4) Shot blasters. [326 IAC 6-3]

(5) Gypsum stockpile. [326 IAC 6-3]

(6) Cold Cleaner degreasing operations. [326 IAC 8-3-2][326 IAC 8-3-5]

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

(h) Two (2) diesel fired-engines for emergency quench pumps (model year 2011), each rated at 144 horsepower, permitted in 2012.[Under 40 CFR 60, Subpart IIII, emergency quench pumps are considered a new affected source]

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]

(a) 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) Notwithstanding B.1(a), the terms located in paragraphs of the Decree that are incorporated by reference into this permit in accordance with Section F and Attachment A shall have the definition, and only the definition, assigned to such terms in the Decree and are limited to Section F and Attachment A.

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, T073-29983-00008, 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 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.4 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

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

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

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

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

B.7 Duty to 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. 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) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent 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(35).

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

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

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

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) 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 Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

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

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

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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)(8) 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.

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 T073-29983-00008 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

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

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

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

B.14 Reserved

B.15 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.16 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Source Modification Requirement [326 IAC 2-7-10.5]

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

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 does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 or notice 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) or (c) 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)(1) and (c)(1). 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) and (c)(1).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 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.22 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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.23 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.24 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.

B.25 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.

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 5-1-1 (Applicability) and 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 except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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 Reserved

C.7 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.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

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

C.9 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. In the event that a previously scheduled test must be canceled and rescheduled, the Permittee of the source or emissions unit shall notify the department no less than fourteen (14) days in advance of the rescheduled test date. Tests rescheduled for less than fourteen (14) days after notifying the department of the rescheduled test date must be approved by the department. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.10 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.11 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(d) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.12 Reserved

C.13 Reserved

C.14 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

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

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

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

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

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

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

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.17 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5] [326 IAC 2-7-6]

(I) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, in this permit:

(a) The Permittee shall take reasonable response steps to 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 excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning 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 normal or usual manner of operation.

(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 record the reasonable response steps taken.

(II)

(a) CAM *Response to excursions or exceedances.*

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the 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. 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). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or 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.

(2) 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, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a QIP. The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(h) *CAM recordkeeping requirements.*

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(a)(2) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:
   - (AA) All calibration and maintenance records.
   - (BB) All original strip chart recordings for continuous monitoring instrumentation.
   - (CC) Copies of all reports required by the Part 70 permit.

   Records of required monitoring information include the following, where applicable:
   - (AA) The date, place, as defined in this permit, and time of sampling or measurements.
   - (BB) The dates analyses were performed.
   - (CC) The company or entity that performed the analyses.
   - (DD) The analytical techniques or methods used.
   - (EE) The results of such analyses.
   - (FF) The operating conditions as existing at the time of sampling or measurement.

   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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of

permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(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 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

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

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

C.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [40 CFR 64][326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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) 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.

(e) 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 electric utility steam generating unit (EUSGU), the Permittee shall submit a report to the department within sixty (60) days after the end of each year during which records must be generated under subdivision (3) [326 IAC 2-2-8(b)(3)] setting out the unit’s annual emissions during the calendar year that preceded submission of the report.

(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 (oo) and/or 326 IAC 2-3-1 (jj)) 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 (ww) and/or 326 IAC 2-3-1 (pp), 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 no later than 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 wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

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

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

Ambient Monitoring Requirements [326 IAC 7-3]

C.23 Ambient Monitoring [326 IAC 7-3]

(a) The Permittee shall operate continuous ambient sulfur dioxide air quality monitors and a meteorological data acquisition system according to a monitoring plan submitted to the commissioner for approval. The monitoring plan shall include requirements listed in 326 IAC 7-3-2(a)(1), 326 IAC 7-3-2(a)(2) and 326 IAC 7-3-2(a)(3).

(b) The Permittee and other operators subject to the requirements of this rule, located in the same county, may submit a joint monitoring plan to satisfy the requirements of this rule. [326 IAC 7-3-2(c)]

(c) The Permittee may petition the commissioner for an administrative waiver of all or some of the requirements of 326 IAC 7-3 if such owner or operator can demonstrate that ambient monitoring is unnecessary to determine continued maintenance of the sulfur dioxide ambient air quality standards in the vicinity of the source. [326 IAC 7-3-2(d)]

(d) Effective December 31, 2015, Condition C.23 - Ambient Monitoring may be discontinued at the R.M Schahfer Generating Station and the site in Wheatfield, Indiana.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, a reagent injection system, a flue gas desulfurization system, and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(1) Evaporation of Boiler Chemical Cleaning wastes.

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

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

D.1.1 Particulate Emission Requirements [326 IAC 6-2-1(g)]

Pursuant to 326 IAC 6-2-1(g) and Operation Permit 37-05-91-0102, issued on September 14, 1988, the particulate matter (PM) emissions to the atmosphere from the boiler identified as Unit 14 shall not exceed 0.1 pound per million Btu (lb/MMBtu) of energy input. The Permittee may request a permit revision to change the Unit 14 particulate limit to that required pursuant to 326 IAC 6-2-3, in accordance with 326 IAC 2-7-12, if accompanied by a demonstration that the National Ambient Air Quality Standards (NAAQS) are protected.

D.1.2 Startup, Shutdown, and Other Opacity Limits [326 IAC 5-1-3]

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

(1) When building a new fire in a boiler, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a cumulative total of one (1) hour (ten (10) six (6)-minute averaging periods) during the startup period, or until the flue gas temperature reaches two hundred fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitator, whichever occurs first, provided, however, that once every three years opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a cumulative total of three (3) hours (thirty (30) six (6) minute averaging periods) during the startup period.

(2) When shutting down a boiler, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of one (1) hour (ten (10) six (6)-minute averaging periods) during the shutdown period.

(3) Operation of the electrostatic precipitator is not required during these times.

(b) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed the applicable limit established in 326 IAC 5-1-2. However, opacity shall not exceed sixty percent (60%) for any six (6)-minute averaging period and opacity in excess of the applicable limit shall not continue for more than one (1) six (6)-minute averaging period in any sixty (60) minute period. The averaging periods in excess of forty percent (40%) shall not be permitted for more than three (3) six (6)-minute averaging periods in a twelve (12) hour period. [326 IAC 5-1-3(b)]

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

D.1.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7.1.1-2(a)(3), sulfur dioxide emissions from Unit 14 shall not exceed 0.5 pounds per million Btu's (lb/MMBtu) when combusting only distillate oil or only distillate oil and natural gas.

(b) Pursuant to 326 IAC 7-1.1-2(a)(1), sulfur dioxide emissions from Unit 14 shall not exceed six and zero-tenths (6.0) pounds per million Btu for coal combustion.

(c) Pursuant to 326 IAC 7-1.1-2(b), sulfur dioxide emissions from Unit 14 shall not exceed six and zero-tenths (6.0) pounds per million Btu when combusting coal and oil simultaneously.

D.1.4 Capacity Limitation [326 IAC 6-2-1(g)] [326 IAC 2-7-5]

(a) Pursuant to 326 IAC 6-2-1(g) and Operation Permit 37-05-91-0102, issued on September 14, 1988, unit No. 14 shall not exceed a maximum hourly average of 468 megawatts gross until such time as stack testing indicates compliance with the PM and opacity limitations in Condition D.1.1 and Section C - Opacity at a higher level. The Permittee may request a temporary exemption in accordance with 326 IAC 2-1.1-3(g)(3) for stack testing at a higher capacity.

(b) The Condition D.1.4(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

Compliance Determination Requirements [326 IAC 2-7-6]

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

(a) By December 31 of the second calendar year following the most recent stack test, compliance with the PM limitation for Unit 14 shall be determined by performance stack tests conducted using methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(b) The Condition D.1.5(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.5.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(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 at all times that the induced draft fan is in operation.

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

(c) In the event that a breakdown of a COMS occurs, a record shall be made of the 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 emission unit stack when plume conditions allow.

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

(2) When plume conditions allow 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 such time that 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.

(5) When plume conditions do not allow Method 9 visible emission readings, Permittee shall keep a record of the period during which such readings could not be taken and the reason why such readings could not be taken.

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

(f) The Conditions D.1.5.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

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

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitator (ESP) for Unit 14 shall be operated at all times that coal is being combusted in Unit 14.

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

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), continuous emission monitoring systems for Unit 14 shall be calibrated, maintained, and operated for measuring SO_2, and either CO_2 or O_2, which meet the performance specifications of 326 IAC 3-5-2.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Pursuant to 326 IAC 3-5-4(a), if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.

(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 10-4, 40 CFR 60, or 40 CFR 75.

D.1.7.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 14 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.1.1 shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.1.1, the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Conditions D.1.7.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.8 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the SO_2 emission limits in Condition D.1.3 using a thirty (30) day rolling weighted average.

(b) 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 and other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.1.8.1 Compliance Schedule for National Emission Standard for Hazardous Air Pollutants: Coal - and Oil-Fired Electric Utility Steam Generating Units [40 CFR 63, Subpart UUUUU]

Pursuant to Indiana Code § 13-14--2-6 and in order to secure compliance with 40 CFR 63, Subpart UUUUU, NIPSCO, Schahfer Generating Station, is subject to the following order:

(a) NIPSCO shall submit a status report within fifteen (15) days of completion of the following milestones indicating the actual dates of completion:

(1) The dates on-site construction for the installation of the emission control equipment identified for Schahfer Units 14 and 15 are initiated, and

(2) The dates on-site construction for the installation of the emission control equipment identified for the Schahfer Units 14 and 15 are completed
.

(3) The dates by which final compliance with 40 CFR Part 63, Subpart UUUUU for Schahfer Units 14 and 15 are achieved.

(b) NIPSCO, Schahfer Generating Units 14 and 15 shall comply with the mercury standards set forth in 40 CFR Part 63, Subpart UUUUU no later than April 16, 2016.

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

D.1.9 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

(b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions and Exceedances whenever the percentage of T-R sets in service falls below ninety percent (90%). T-R set failure resulting in less than ninety percent (90%) availability is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

(c) The Conditions D.1.9(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.10 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) In the event of emissions exceeding thirty percent (30%) average opacity for three (3) consecutive six (6) minute averaging periods, appropriate response steps shall be taken such that the cause(s) of the excursion are identified and corrected and opacity levels are brought back below thirty percent (30%). Examples of expected response steps include, but are not limited to, boiler loads being reduced and ESP T-R sets being returned to service. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

(b) Opacity readings in excess of thirty percent (30%) but not exceeding the opacity limit for the unit are not a deviation from this permit. Failure to take response steps shall

be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

(c) The Permittee may request that the IDEM, OAQ approve a different opacity trigger level than the one specified in (a) and (b) of this condition, provided the Permittee can demonstrate, through stack testing or other appropriate means, that a different opacity trigger level is appropriate for monitoring compliance with the applicable particulate matter mass emission limits.

(d) The Conditions D.1.10 (a) through (c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.11 SO_2 Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

(a) Whenever both the primary and back-up SO_2 continuous emission monitoring systems (CEMS) are malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO_2 emissions:

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

(2) If the CEMS is down for twenty-four (24) hours or more:

(A) Either fuel sampling and fuel preparation and analysis shall be conducted in accordance with 326 IAC 3-7-2(b) and (c), 326 IAC 3-7-2 (d) and 326 IAC 3-7-2(e) or, alternatively, a portable analyzer, properly calibrated according to the manufacturer specifications (such as manufacturer operating or maintenance manuals), shall be used to monitor SO_2 emissions. To the extent the Permittee elects to conduct fuel sampling: the Permittee shall collect the coal sample as bunkered; coal shall be sampled at least three (3) times per day and at least one (1) time per eight (8) hour period unless no coal is bunkered during the preceding eight (8) hour period; and minimum sample size shall be five hundred (500) grams.

or

(B) Pursuant to 326 IAC 3-7-3, other manual and other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.

(b) To the extent the Permittee elects to conduct fuel sampling to comply with Condition D.1.11(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 any information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4 under this Condition D.1.11. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.

D.1.11.1PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever the PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter emissions shall be monitored once per day when Unit 14 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Condition D.1.11.1(a) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

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

D.1.12 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with the particulate matter and opacity requirements in Conditions D.1.1, D.1.2, D.1.5, D.1.5.1, D.1.9, and D.1.10, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.1.1, and D.1.2.

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

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

(3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.

(4) All ESP parametric monitoring readings pursuant to D.1.9.

(b) To document the compliance status with SO_2 Conditions D.1.3, D.1.8, and D.1.11, the Permittee shall maintain the records identified in (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO_2 limits as required in Conditions D.1.3 and D.1.8. The Permittee shall maintain records in accordance with (2) and (3) below during SO_2 CEM system downtime.

(1) All SO_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(g).

(2) Any fuel sampling and analysis data collected for or portable analyzer data for SO_2 CEM downtime, in accordance with Condition D.1.11.

(3) Actual fuel usage during each SO_2 CEM downtime to the extent such data is required by Condition D.1.12 to be obtained.

(c) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of the Unit 14 gross output, in gross MW per hour.

(d) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.1.12.1PM Record Keeping Requirements

(a) To document the compliance status with requirements in Condition D.1.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.1.1.

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Conditions D.1.12(a) and (c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

(e) Conditions D.1.12.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.13 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document compliance status with Conditions D.1.1, D.1.3, D.1.4, and D.1.7 shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.1.13(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

(b) Pursuant to 326 IAC 3-5-7(c)(4), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(1) Date of downtime.

(2) Time of commencement.

(3) Duration of each downtime.

(4) Reasons for each downtime.

(5) Nature of system repairs and adjustments.

The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(35).

(c) A quarterly summary of the information to document the compliance status with D.1.1, D.1.3, D.1.7, and D.1.7.1 shall be submitted no later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.1.13(c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(1) Evaporation of Boiler Chemical Cleaning wastes.

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

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

D.2.1 CO PSD BACT Requirements [326 IAC 2-2-3]

After completion of the LNB project and resumption of regular operation for unit 15 and a reasonable shakedown period not to exceed one hundred and eighty (180) days, the Permittee shall comply with the following requirements:

(a) CO emissions from Unit 15 shall not exceed 1.63 lb/MMBtu based on a 3-hour average.

(b) CO emissions from Unit 15 shall be minimized through the use of good combustion practices according to the Boiler Combustion Optimization Plan.

D.2.2 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-1(f) (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from boiler Unit 15 shall be limited to 0.10 pound per MMBtu heat input.

D.2.3 Startup, Shutdown, and Other Opacity Limits [326 IAC 5-1-3]

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

(a) When building a new fire in a boiler, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of two (2) hours (twenty (20) six (6)-minute averaging periods) during the startup period, or until the flue gas temperature reaches two hundred fifty (250) degrees Fahrenheit at the inlet of the electrostatic precipitation, whichever occurs first.

(b) When shutting down a boiler, opacity may exceed the applicable limitation established in 326 IAC 5-1-2 for a period not to exceed a total of two (2) hours (twenty (20) six (6)-minute averaging periods) during the shutdown period.

(c) Operation of the electrostatic precipitator is not required during these times.

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

(a) Pursuant to 326 IAC 7.1.1-2(a)(3), sulfur dioxide emissions from Unit 15 shall not exceed five-tenths (0.5) pound per million Btu's (lb/MMBtu) when combusting only distillate oil or only distillate oil and natural gas.

(b) Pursuant to 326 IAC 7-1.1-2(a)(1), sulfur dioxide emissions from Unit 15 shall not exceed six and zero-tenths (6.0) pounds per million Btu for coal combustion.

(c) Pursuant to 326 IAC 7-1.1-2(b), sulfur dioxide emissions from Unit 15 shall not exceed six and zero-tenths (6.0) pounds per million Btu when combusting coal and oil simultaneously.

D.2.5 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

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

(a) By December 31 of the second calendar year following the most recent stack test, compliance with the CO limitation in Condition D.2.1 shall be determined by a performance stack test conducted using methods approved by the Commissioner. This testing shall be repeated by December 31 of every fifth calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

(b) By December 31 of the second calendar year following the most recent stack test, compliance with the PM limitation in Condition D.2.2 shall be determined by a performance stack test conducted using Method 5 or other methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(c) The Condition D.1.4(b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.6.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(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 at all times that the induced draft fan is in operation.

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

(c) In the event that a breakdown of a COMS occurs, a record shall be made of the 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 emission unit stack when plume conditions allow.

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

(2) When plume conditions allow 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 such time that 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.

(5) When plume conditions do not allow Method 9 visible emission readings, Permittee shall keep a record of the period during which such readings could not be taken and the reason why such readings could not be taken.

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

(f) The Conditions D.2.6.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.7 Boiler Combustion Optimization Plan [326 IAC 2-2]

NIPSCO shall develop and implement a Boiler Combustion Optimization Plan within 120 days of the startup date of Unit 15 after the unit outage for the low-NO_X Burner project. This plan will identify boiler operating parameters that indicate good combustion practices consistent with the BACT determination for Unit 15. NIPSCO will monitor operating parameters for Unit 15 consistent with this plan to demonstrate compliance with the BACT emission limit.

D.2.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

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

D.2.9 Continuous Emissions Monitoring (CEMS) [326 IAC 3-5] [326 IAC 12] [40 CFR 60, Subpart D]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) and 40 CFR 60.45, continuous emission monitoring systems for Unit 15 shall be calibrated, maintained, and operated for measuring SO_2, NO_X and either O_2 or CO_2, which meet the performance specifications of 326 IAC 3-5-2 and 40 CFR 60.45.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Pursuant to 326 IAC 3-5-4(a), if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.

(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 10-4, 40 CFR 60, or 40 CFR 75.

D.2.9.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 15 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.2.2 shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.2.2, the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Condition D.2.9.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

(a) Pursuant to 326 IAC 7-2-1(a) and (c), the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the equivalent of five-tenths (0.5) pound per MMBtu when combusting distillate oil or distillate oil and natural gas using a thirty (30) day rolling weighted average.

(b) 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 and the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(g)]

D.2.10.1 Compliance Schedule for National Emission Standard for Hazardous Air Pollutants: Coal - and Oil-Fired Electric Utility Steam Generating Units [40 CFR 63, Subpart UUUUU]

Pursuant to Indiana Code § 13-14--2-6 and in order to secure compliance with 40 CFR 63, Subpart UUUUU, NIPSCO, Schahfer Generating Station, is subject to the following order:

(a) NIPSCO shall submit a status report within fifteen (15) days of completion of the following milestones indicating the actual dates of completion:

(1) The dates on-site construction for the installation of the emission control equipment identified for Schahfer Units 14 and 15 are initiated, and

(2) The dates on-site construction for the installation of the emission control equipment identified in for the Schahfer Units 14 and 15 are completed.

(3) The dates by which final compliance with 40 CFR Part 63, Subpart UUUUU for Schahfer Units 14 and 15 are achieved.

(b) NIPSCO, Schahfer Generating Units 14 and 15 shall comply with the mercury standards set forth in 40 CFR Part 63, Subpart UUUUU no later than April 16, 2016.

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

D.2.11 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

(b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions and Exceedances whenever a total of more than four (4) T-R sets are not in service. T-R set failure resulting in a response step obligation under the preceding sentence is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

(c) The Conditions D.2.11(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.12 SO_2 Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever both the primary and back-up SO_2 continuous emission monitoring systems (CEMS) are malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO_2 emissions:

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

(b) If the CEMS is down for twenty-four (24) hours or more:

(1) Either fuel sampling and fuel preparation and analysis shall be conducted in accordance with 326 IAC 3-7-2(b) and (c), 326 IAC 3-7-2(d) and 326 IAC 3-7-2(e) or, alternatively, a portable analyzer, properly calibrated according to manufacturer specifications (such as manufacturer operating or maintenance manuals), shall be used to monitor SO_2 emissions. To the extent the Permittee elects to conduct fuel sampling: the Permittee shall collect the coal sample as bunkered; coal shall be sampled at least three (3) times per day and at least one (1) time per eight (8) hour period unless no coal is bunkered during the preceding eight (8) hour period; and minimum sample size shall be five hundred (500) grams

or

(2) Pursuant to 326 IAC 3-7-3, other manual and other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval, that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.

(c) To the extent the Permittee elects to conduct fuel sampling to comply with Condition D.2.12(b), pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of any information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4 under this Condition D.2.12. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.

D.2.12.1 PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever the PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter emissions shall be monitored once per day when Unit 15 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Condition D.2.12.1(a) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

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

D.2.13 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with the carbon monoxide requirements in Condition D.2.1 and D.2.6(a), the Permittee shall maintain records on-site in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limit in Condition D.2.1.

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

(2) Boiler Combustion Optimization Plan.

(b) To document the compliance status the particulate matter and opacity requirements in Conditions D.2.2, D.2.3, D.2.6(b), D.2.6.1, D.2.8, and D.2.11, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.2.2 and D.2.3.

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

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

(3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.

(4) All ESP parametric monitoring readings pursuant to condition D.2.11.

(c) To document the compliance status with the SO_2 requirements in Conditions D.2.4, D.2.9, D.2.10, and D.2.12, the Permittee shall maintain the records identified in (1) through (3) below. Records shall be complete and sufficient to establish compliance with the applicable SO_2 limit(s) as required in Conditions D.2.4, and D.2.10. The Permittee shall maintain records in accordance with (2) and (3) below during SO_2 CEM system downtime.

(1) All SO_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(g).

(2) Any fuel sampling and analysis data collected for or portable analyzer data for SO_2 CEM downtime, in accordance with Condition D.2.12.

(3) Actual fuel usage during each SO_2 CEM downtime to the extent such data is required by Condition D.2.12 to be obtained.

(d) To document the compliance status with the NO_X requirements, the continuous emissions monitoring requirements for NO_X and CO_2 or O_2 in Condition D.2.9, the Permittee shall maintain records of all NO_X and CO_2 or O_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6. Records shall be complete and sufficient to establish compliance with the NO_X limit as required in Condition D.2.9.

(e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.2.13.1 PM Record Keeping Requirements

(a) To document the compliance status with requirements in Conditions D.2.2 the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.2.2.

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Condition D.2.13(b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

(e) Condition D.2.13.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.14 Reporting Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document the compliance status with Conditions D.2.1, D.2.3, D.2.4, D.2.9, D.2.10, D.2.11, and D.2.12, shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.2.14(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

(b) Pursuant to 326 IAC 3-5-7(c)(4), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(1) Date of downtime.

(2) Time of commencement.

(3) Duration of each downtime.

(4) Reasons for each downtime.

(5) Nature of system repairs and adjustments.

The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(35).

(c) A quarterly summary of the information to document the compliance status with D.2.1, D.2.2, D.2.4, D.2.9, and D.2.9.1 shall be submitted no later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.2.14(c) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(1) Evaporation of Boiler Chemical Cleaning wastes.

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

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

D.3.1 Prevention of Significant Deterioration (PSD) and Construction Permit Limitations [326 IAC 2-2] [326 IAC 6-2-1(g)] [326 IAC 7-1.1-2]

Pursuant to Prevention of Significant Deterioration Approval to Construct EPA-5-A-80-18, issued on April 3, 1980, and the preconstruction approval from the Indiana Air Pollution Control Board, Construction Permit PC (37) 1460, issued April 14, 1980:

(a) Each boiler unit (Units 17 and 18) shall not be operated in excess of 3,967 MMBtu per hour heat input. (in EPA-5-A-80-18 only)

(b) Stack gas particulate emissions shall be controlled to 0.03 pound or less of total suspended particulates per million BTU (lb/MMBtu) of heat input to comply with the NSPS.

This requirement will be met by using electrostatic precipitators (ECP) which will provide a 99.8 percent guaranteed control efficiency. (in PC (37) 1460 only)

(c) The opacity of the exhaust gases shall not exceed twenty percent (20%) based on a six-minute average except for one six-minute period per hour of opacity not exceeding twenty-seven percent (27%). (EPA 5-A-80-18 only)

(d) Reserved.

(e) Nitrogen oxide emissions from each boiler shall not exceed 0.6 pound per million BTU (lb/MMBTU) of heat input.

(f) Reserved.

D.3.2 Reserved

D.3.3 Alternative Fuel Blends [326 IAC 2-2]

(a) Pursuant to a letter from IDEM, OAQ, to NIPSCO dated June 13, 1996, based on the results of emissions testing performed in 1995 and subsequent ambient air modeling studies, petroleum coke may be combusted in Units 17 and 18 at a blend rate of no more than 30 percent (30%) petroleum coke (by weight). The conditions of the Units 17 and 18 federal PSD construction permit are not affected by this ruling, and all requirements contained therein still apply.

(b) The flue gas desulfurization (FGD) system shall be in operation at all times when pet coke is being fired. Should an emergency condition occur which causes a malfunction of the FGD system, the Permittee shall cease bunkering pet coke until the FGD system is fully operational.

D.3.4 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) By December 31 of the second calendar year following the most recent stack test, compliance with the PM limitation in Condition D.3.1 shall be determined by a performance stack test conducted using Method 5B or 17, or other methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.
For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(b) The Condition D.3.5(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.5.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(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 at all times that the induced draft fan is in operation.

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

(c) In the event that a breakdown of a COMS occurs, a record shall be made of the 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 emission unit stack when plume conditions allow.

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

(2) When plume conditions allow 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 such time that 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.

(5) When plume conditions do not allow Method 9 visible emission readings, Permittee shall keep a record of the period during which such readings could not be taken and the reason why such readings could not be taken.

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

(f) The Conditions D.3.5.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.6 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitator (ESP) shall be operated at all times that the corresponding boiler is in operation.

D.3.7 Scrubber Operation [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

Except as otherwise provided by statute or rule or in this permit, the flue gas desulfurization (FGD) system shall be operated as needed to maintain compliance with all applicable SO_2 emission limits.

D.3.8 Reserved

D.3.9 Continuous Emissions Monitoring [326 IAC 2-2] [326 IAC 3-5] [326 IAC 7-2-1(g)] [326 IAC 12] [40 CFR 60, Subpart Da]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions), 40 CFR 60 Subpart Da, Indiana Air Pollution Control Board Construction Permit PC (37) 1460, issued April 14, 1980, and 326 IAC 2-2, continuous emission monitoring systems for Units 17 and 18 shall be calibrated, maintained, and operated for measuring opacity, SO_2, NO_X, and either CO_2 or O_2, which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Pursuant to 326 IAC 3-5-4(a), if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.

(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 10-4, 40 CFR 60, or 40 CFR 75.

D.3.9.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 17 and Unit 18 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.3.1 shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.3.1, the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Conditions D.3.9.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3]

The Permittee shall demonstrate that the sulfur dioxide emissions do not exceed the limits in Condition D.3.1(d), as established in PSD Approval to Construct EPA-5-A-80-18, issued on April 3, 1980, and Construction Permit PC (37) 1460, issued April 14, 1980, using a thirty (30) day rolling arithmetic average of all hourly emission rates for SO_2 for the 30 successive boiler operating days, except for data obtained during startup, shutdown, or emergency conditions for SO_2. Compliance with the percentage reduction requirements for SO_2 is determined based on the average inlet and average outlet SO_2 emission rates for the 30 successive boiler operating days.

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

D.3.11 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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

(b) Reasonable response steps shall be taken in accordance with Section C - Response to Excursions and Exceedances whenever a total of more than three (3) T-R sets at Unit 17 or a total of more than two (2) T-R sets at Unit 18 are not in service. T-R set failure resulting in a response step obligation under the preceding sentence is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

(c) The Conditions D.3.11(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.12 SO_2 Monitoring System Downtime [326 IAC 2-2] [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever both the primary and back-up SO_2 continuous emission monitoring systems (CEMS) are malfunctioning or down for repairs or adjustments for a period of twenty-four (24) hours or more, the Permittee shall monitor and record boiler load, recirculation pH, slurry valve position, and absorber level 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 CEMS or a backup CEMS is brought online.

D.3.12.1PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever this PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter emissions shall be monitored once per day when Unit 17 and Unit 18 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Conditions D.3.12.1(a) shall apply when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

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

D.3.13 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

a) To document the compliance status with the particulate matter and opacity requirements in Conditions D.3.1, D.3.5.1, D.3.9, and D.3.11 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.3.1.

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

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

(3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.

(4) All ESP parametric monitoring readings pursuant to condition D.3.11.

(b) To document the compliance status with SO_2 Conditions D.3.1(d), D.3.9, D.3.10, and D.3.12, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the SO_2 limit(s) as required in Conditions D.3.1(d), D.3.9, D.3.10, and D.3.12. The Permittee shall maintain records in accordance with (2) below during SO_2 CEM system downtime.

(1) All SO_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6, 326 IAC 7-2-1(g) and/or 40 CFR 60.47a.

(2) All scrubber parametric monitoring readings taken during any periods of CEM downtime, in accordance with Condition D.3.12.

(c) To document the compliance status with NO_X Conditions D.3.1(e) and D.3.9, the Permittee shall maintain records of all NO_X and CO_2 or O_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 2-2. Records shall be complete and sufficient to establish compliance with the NO_X limits as required in Conditions D.3.1(e) and D.3.9.

(d) Reserved.

(e) To document the compliance status with Condition D.3.3, the Permittee shall maintain records of the amount of petroleum coke combusted and the pet coke/coal blend rate for each boiler. Records shall be complete and sufficient to establish compliance with the fuel limit of Condition D.3.3 using a thirty (30) day rolling weighted average.

(f) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.3.13.1 PM Record Keeping Requirements

(a) To document the compliance status with requirements in Conditions D.3.1(b) the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.3.1(b).

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Condition D.3.13(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

(e) Condition D.3.13.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.14 Reporting Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a.1) A quarterly report of opacity exceedances and a quarterly summary of the information to document the compliance status with Conditions D.3.1 and D.3.3 shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.3.14(a), shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

(b) Reserved

(c) Pursuant to 326 IAC 3-5-7(c)(4), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(1) Date of downtime.

(2) Time of commencement.

(3) Duration of each downtime.

(4) Reasons for each downtime.

(5) Nature of system repairs and adjustments.

The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(35).

(d) A quarterly summary of the information to document the compliance status with D.3.1(a), D.3.1(b), D.3.1(e), D.3.3, D.3.9, and D.3.9.1 shall be submitted no later than

thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.3.14(d) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) Two (2) natural gas-fired combustion turbines, identified as 16A and 16B, constructed in 1979, each with a design heat input capacity of 1,450 million Btu per hour (MMBtu/hr), each using water injection as needed for NO_X control, exhausting to stacks 16A and 16B, respectively. Units 16A and 16B have continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X), and continuous monitoring systems to measure the water to fuel ratio.

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

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

D.4.1 Prevention of Significant Deterioration (PSD) and Construction Permit Limitations [326 IAC 2-2]

Pursuant to Prevention of Significant Deterioration Approval to Construct EPA-5-79-A-25, issued on August 16, 1979, and the preconstruction approval from the Indiana Air Pollution Control Board, Construction Permit PC (37) 1380, issued May 9, 1979:

(a) Nitrogen oxide (NO_X) emissions from each turbine shall not exceed 93 ppm at 15% oxygen on a dry basis.

(b) Each turbine unit shall not operate in excess of 2,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

D.4.2 Reserved

D.4.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.

D.4.4 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

D.4.5 NOx Control

To the extent necessary to comply with Condition D.4.1, the water injection systems which are used to control the NOx emissions from turbines 16A and 16B shall be in operation and control emissions from turbines 16A and 16B.

D.4.6 Continuous Emissions Monitoring [326 IAC 3-5]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) and 326 IAC 2-2 (PSD), the Permittee is required to calibrate, certify, operate and maintain a continuous emission monitoring system (CEMS) for measuring NOx and O_2 emissions rates from the combustion turbine stacks in accordance with 326 IAC 3-5 to demonstrate compliance with Condition D.4.1(a).

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Pursuant to 326 IAC 3-5-4(a), if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.

(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 10-4, 40 CFR 60, or 40 CFR 75.

D.4.7 Reserved

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

D.4.8 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with Conditions D.4.1(a) and D.4.6, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to establish compliance with the nitrogen oxides (NO_X) limits established in Conditions D.4.1(a).

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

(2) To document the compliance status with Condition D.4.6, the Permittee shall maintain records of:

(i) All continuous monitoring system data of fuel consumption and the ratio of water to fuel being fired; or

(i) All continuous emission monitoring system (CEMS) data of NO_x and O_2 whenever Permittee elects to use CEMS to monitor NO_x and O_2.

(b) To document the compliance status with Condition D.4.1(b), the Permittee shall maintain records of the date and times for all periods of turbine operation.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.4.9 Reporting Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with Condition D.4.1(a), the Permittee shall submit a quarterly summary of :

(1) The ratio of water to fuel if using the continuous monitoring method outlined in 40 CFR 60, Subpart GG; or

(2) The NO_x emissions if using the continuous emissions monitoring method outlined in Condition D.4.6.

The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(35).

(b) To document the compliance status with Condition D.4.1(b), the Permittee shall submit a quarterly summary of the hours of operation for each combustion turbine. These reports shall be submitted to the address listed in Section C - General Reporting Requirements, of this approval. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition.

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(f) Coal storage and handling systems for Unit 14 and 15 boilers constructed in 1972.

(1) Rail car unloading with wet suppression for PM control during unloading and enclosure for ancillary dust control.

(2) Coal pile unloading, coal storage pile(s), material handling equipment, and coal conveyors.

(3) Transfer House, with carryover wet suppression and enclosed transfer points within an enclosure for ancillary dust control, with an estimated throughput of 3,000 tons per hour.

(4) Crusher House, with carryover wet suppression for PM control and enclosed transfer points within an enclosure for ancillary dust control.

(5) Tripper House to tripper bays, with enclosed transfer points within an enclosure for dust control.

(6) Two (2) tripper bays with an estimated combined capacity of 3,000 tons per hour, with carryover wet suppression for PM control, each using an enclosure for ancillary dust control.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(a) Conveyors as follows [326 IAC 6-3]:

(1) Covered conveyor for coal or coke conveying of less than or equal to 360 tons per day;

(3) Uncovered coal conveying of less than or equal to 120 tons per day.

(4) Underground conveyors.

(b) Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6-3]

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

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

D.5.1 Particulate Emission Limitation for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), allowable particulate emissions for the coal handling operations shall be calculated as follows:

(a) Particulate shall not be emitted in excess of the amount shown in the table in 326 IAC 6- 3-2(e). The allowable rate of emission shall be based on the process weight rate for the process.

(b) Interpolation of the data in the table in 326 IAC 6-3-2(e) for process weight rates 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.

(c) Interpolation and extrapolation of the data in the table in 326 IAC 6-3-2(e) for process weight rates 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; and
P = process weight rate in tons per hour.

(d) When the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed that shown in the table in 326 IAC 6-3-2(e), provided the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

SECTION D.6 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(g) Fuel storage and handling systems for Unit 17 and 18 boilers.

(1) Rail car unloading of coal, with a multi-compartment baghouse for PM control and enclosure for ancillary dust control.

(2) Truck unloading of petroleum coke (petcoke).

(3) Coal pile unloading, coal storage pile(s), petcoke pile unloading, petcoke storage pile(s), material handling equipment, and conveyors.

(4) Transfer House with an estimated throughput of 4,000 tons per hour, with enclosed transfer points within an enclosure for ancillary dust control, with a multi-compartment baghouse for PM control. To produce petcoke blends, coal and petcoke are combined in rotary plow during transfer to conveyor.

(5) Crusher House with a designated capacity of 3,000 tons per hour, with enclosed transfer points within an enclosure for dust control, with a multi-compartment baghouse for PM control.

(6) Transfer House to tripper with an estimated throughput of 3,000 tons per hour, with enclosed transfer points within an enclosure for ancillary dust control, with a baghouse identified as TFDC-XFR for PM control, constructed in 2015.

(7) Two (2) tripper conveyors with an estimated combined throughput of 3,000 tons per hour with enclosure for ancillary dust control, with a baghouse identified as TFDC-18 for PM control, constructed in 2015.

(8) Twelve (12) Fuel Silos (bunkers) with enclosure for dust control, with two (2) baghouses, identified as TFDC-17 and TFDC-18, for PM control, constructed in 2015.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(a) Conveyors as follows [326 IAC 6-3]:

(1) Covered conveyor for coal or coke conveying of less than or equal to 360 tons per day;

(3) Uncovered coal conveying of less than or equal to 120 tons per day; and

(4) Underground conveyors.

(b) Coal bunker and coal scale exhausts and associated dust collector vents. [326 IAC 6-3]

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

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

D.6.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

Pursuant to Approval to Construct EPA-5-A-80-18, issued on April 3, 1980:

(a) Particulate emissions from coal unloading shall not exceed ten percent (10%) opacity for the duration of the unloading operation.

(b) All coal conveyors shall be completely enclosed.

(c) All transfer points shall be completely enclosed except those at the storage pile.

(d) Particulate emissions from the crusher house, conveyor room and reclaim tunnels shall be controlled to 99 percent.

(e) Fugitive emissions from the coal piles shall be minimized by compaction and other appropriate measures (surfactant spray etc.).

D.6.2 Reserved

D.6.3 Particulate Emission Limitation for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), for the fuel storage and handling systems for Units 17 and 18 other than the coal storage piles, allowable particulate emissions for the coal handling operations shall be calculated as follows:

(a) Particulate shall not be emitted in excess of the amount shown in the table in 326 IAC 6-3-2(e). The allowable rate of emission shall be based on the process weight rate for the process.

(b) Interpolation of the data in the table in 326 IAC 6-3-2(e) for process weight rates 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.

(c) Interpolation and extrapolation of the data in the table in 326 IAC 6-3-2(e) for process weight rates 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; and
P = process weight rate in tons per hour.

(d) When the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed that shown in the table in 326 IAC 6-3-2(e), provided the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

D.6.4 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

D.6.5 Particulate Control [326 IAC 2-7-6(6)]

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed bag will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed bag will be repaired or replaced. The notification shall also include the results of any

response actions taken up to the time of notification.

D.6.6 Reserved

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

D.6.7 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) Visible emission notations of the rail car unloading station openings shall be performed once per day during normal daylight operations when unloading coal. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the fuel transfer exhaust points shall be performed once per week during normal daylight operations when transferring fuel. A trained employee shall record whether emissions are normal or abnormal.

(c) Visible emission notations of the coal crusher exhaust shall be performed once per week during normal daylight operations when the crusher is in operation. A trained employee shall record whether emissions are normal or abnormal.

(d) If abnormal emissions of dust are observed from the rail car unloading station openings, the fuel transfer exhaust points, or the coal crusher exhaust, the Permittee shall take reasonable response steps. 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, shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to responding to the reasonable response steps required by this condition.

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

(f) 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.

(g) 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.

D.6.8 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) The Permittee shall record the pressure drop across the baghouse used in conjunction with the coal crusher at least once per week when the coal crusher is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

(b) The Permittee shall record the pressure drop across each of the baghouses used in conjunction with the fuel transfer points at least once per week when fuel is being transferred. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading

that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

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

D.6.9 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with Condition D.6.7 - Visible Emission Notations, the Permittee shall maintain daily records of the visible emission notations of the coal unloading station openings, coal transfer exhaust points, and crusher baghouse exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.6.8 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse controlling the rail car unloading coal and the two tripper conveyors. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

SECTION D.7 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(h) Material handling for the flue gas desulfurization systems for Units 17 and 18, including the following:

(1) One (1) limestone slurry preparation system with a maximum hourly throughput rate of 38,941 pounds of limestone per hour.

(2) Three (3) ground limestone pneumatic truck unloading systems connected to Unit 17 and Unit 18 limestone silos, with baghouses for PM control.

(3) One (1) gypsum conveying system, with a maximum design throughput of 150 tons per hour. All gypsum is handled wet.

(4) One (1) radial stacker, identified as 7MX04G-RS, shared among Units 14, 15 and 17, with rated capacity of 220 tons/hour. Replacement was completed in 2013.

(5) One (1) radial stacker, identified as 8MX04G-RS, shared among Units 14, 15 and 18, with rated capacity of 220 tons/hour, Replacement to be completed in 2016.

(I) Material handling for the flue gas desulfurization systems for Unit 14 and Unit 15 boilers, including the following:

(1) Transportation of limestone by truck on paved road.

(2) Three (3) storage silos originally used for dual-alkali FGD system with baghouses for PM control. Ground limestone pneumatic truck unloading systems for Unit 14 and Unit 15 limestone silos, with integrated bin vent filter, constructed in 2013.

(3) Two (2) new "takeaway" conveyors to constructed in 2013 for transfer of dewatered gypsum from belt filters to incline belt conveyors.

(4) Two (2) upgraded incline belt conveyors constructed in 2013 and shared among Units 14, 15, 17 and 18 for transfer of dewatered gypsum to the radial stackers.

(5) Transportation of off-specification gypsum by truck on unpaved roads.

(6) Pneumatic lime unloading system and storage silo at the existing wastewater treatment plant.

(7) Lime Transport Truck traffic on paved roads.

(8) Pneumatic sorbent unloading system to unload sorbent from the trucks and transfer to the storage silos, permitted in 2013.

(9) Two (2) 6,755 cubic feet sorbent storage silos that are equipped with bin vent filters that exhaust to the atmosphere, four (4) weigh hoppers and variable speed screw feeders to transport sorbent from the storage silos to the sorbent mills using a pneumatic conveying system, permitted in 2013.

(10) Two (2) sorbent mills used to grind sorbent material for injection in to Unit 14 (no exhaust to the atmosphere), permitted in 2013.

(11) One (1) sorbent mill used to grind sorbent material for injection in to Unit 15 (no exhaust to the atmosphere), permitted in 2013.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(a) Conveyors as follows [326 IAC 6-3]:

(2) Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;

(4) Underground conveyors.

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(5) Gypsum stockpile [326 IAC 6-3].

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

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

D.7.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the limestone handling systems and gypsum transfer systems shall not exceed 30 pounds per hour, each, when operating at a process weight rate of 38,941 pounds per hour. This pounds per hour limitation was calculated using the following equation:

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 and
P = process weight rate in tons per hour.

(b) Pursuant to 326 IAC 6-3-2, the allowable particulate matter (PM) from the two (2) radial stackers, identified as 7MX04G-RS and 8MX04G-RS shall not exceed 59.55 pounds per hour, each when operating at a process weight rate of 220 tons per hour. This pounds per hour limitation was calculated using the following equation:

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:

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

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

Pursuant to 326 IAC 6-3-2(e)(3) (Particulate Emission Limitations for Manufacturing Processes) 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.8 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(i) Dry fly ash handling and disposal.

(1) Pneumatic conveyance to storage silos, with a design capacity of 70 tons per hour of fly ash from Units 14 and 15 combined, and a design capacity of 63 tons per hour of fly ash from each of Units 17 and 18.

(2) Fly ash storage silos for Units 14, 15, 17, and 18, with cyclone separators, silo collector bag filters, and silo bin vent bag filters. Each silo has wet and dry unloaders, each with a design unloading capacity of 300+ tons per hour, with particulate emissions controlled by the use of a telescoping chute with a vacuum system and a bin vent filter when the ash is being loaded dry, and controlled by the use of water spray mixed with the ash when the ash is being loaded wet.

(3) Two (2) storage silos originally used for dual-alkali FGD system, currently used for storage of fly ash from Unit 15; with cyclone separators, silo collector bag filters, and bin vent bag filters; with telescoping chute unloaders with vacuum line to the silo for dry ash unloading to enclosed trucks.

(4) Transportation by truck via in-plant haul roads; and onsite disposal area.

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

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

D.8.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

For the fly ash from Units 17 and 18, pursuant to Approval to Construct EPA-5-A-80-18, issued on April 3, 1980:

Fly ash handling, storage and transport shall be controlled by wetting and/or by installation of baghouses. Trucks utilized for dry or unconditioned ash disposal shall be covered. (in EPA-5-A-80-18 only)

D.8.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the fly ash conveyance from Units 14 and 15 shall not exceed 47.8 pounds per hour when operating at a process weight rate of 70 tons per hour of ash, and the particulate emission rate from the fly ash conveyance from each of Units 17 and 18 shall not exceed 46.8 pounds per hour when operating at a process weight rate of 63 tons per hour of fly ash from each of Units 17 and 18. These pounds per hour limitations were calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of 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; and
P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3-2(e)(3) (Particulate Emission Limitations for Manufacturing Processes), for dry fly ash silo unloading at a throughput rate greater than 200 tons per hour, the concentration of particulate in the discharge gases to the atmosphere shall be less than 0.10 pounds per one thousand (1,000) pounds of gases.

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

D.8.3 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) Visible emission notations of the ash silo unloading station openings shall be performed at least once per day during normal daylight operations when ash is being unloaded. A trained employee shall record whether emissions are normal or abnormal.

(b) Visible emission notations of the fly ash conveyance and silo bag filter and bin vent filter exhausts shall be performed at least once per day during normal daylight operations when transferring ash to the corresponding silo. A trained employee shall record whether emissions are normal or abnormal.

(c) Visible emission notations of the nozzle of each telescoping chute shall be performed at least once per day during normal daylight operations when unloading ash through the chute. A trained employee shall record whether emissions are normal or abnormal.

(d) If abnormal visible emissions of ash are observed from the ash silo unloading station openings, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and 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 and Exceedances, shall be considered a deviation from this permit.

(e) If abnormal emissions are observed at any bag filter exhaust, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. Observation of abnormal emissions that do not violate 326 IAC 6-4 (Fugitive Dust Emissions) or an applicable opacity limit is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

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

(g) 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.

(h) 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.

D.8.4 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) The Permittee shall record the pressure drop across the bag filters used in conjunction with the ash handling at least once per day when the ash handling is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 12.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. A pressure drop reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

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

D.8.5 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

In the event that bag failure has been observed:

For bin vent filters, if failure is indicated by an opacity violation, or if filter failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed unit and the associated process will be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.8.6 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with Condition D.8.3 - Visible Emission Notations, the Permittee shall maintain daily records of the visible emission notations of the Unit 17 and 18 ash silo unloading station openings, and the Unit 17 and 18 baghouse stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.8.4 - Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across the baghouse controlling the dry fly ash handling and disposal. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

SECTION D.9 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(j) Wet process bottom ash handling, with sluicing lines conveying ash to storage ponds in the Waste Disposal Area.

(k) Ponded bottom ash handling/removal operations.

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(3) Wet handling of FGD sludge material collected from the FGD building sumps, sluiced to the Material Storage Runoff Pond. FGD material dredged from pond inlet area is dewatered on the pond bank with trucks conveying dewatered material to onsite landfill. [326 IAC 6-4]

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

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

D.9.1 Prevention of Significant Deterioration (PSD) and Construction Permit Limitations [326 IAC 2-2]

Pursuant to Approval to Construct EPA-5-A-80-18, issued on April 3, 1980, and Indiana Air Pollution Control Board Construction Permit PC (37) 1460, issued April 14, 1980, with respect to Units 17 and 18:

(a) The bottom ash shall be sluiced to waste disposal ponds. (in PC (37) 1460 only)

(b) Bottom ash handling, storage and transport shall be controlled by wetting and/or by installation of baghouses. (in EPA-5-A-80-18 only)

D.9.2 Reserved

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

D.9.3 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

(a) Visible emission notations of any active onsite landfill area(s) shall be performed at least once per day during normal daylight operations. Any storage pond in the Waste Disposal Area or the Material Storage Runoff Pond area that contains either bottom ash and/or FGD sludge shall be observed once per week to determine if sufficient water is present in the pond to cover or saturate bottom ash and/or sludge deposited in the pond. During any period when there is not sufficient water in the pond to cover or saturate bottom ash and/or sludge present in the pond, visible emission notations of such storage pond area(s) shall be performed at least once per day during normal daylight operations. When daily visible emission notations are made, a trained employee shall record whether emissions are normal or abnormal.

(b) If visible emissions are observed crossing the property line or boundaries of the property, right-of-way, or easement on which the source is located, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

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

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

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

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

D.9.4 Record Keeping Requirements

(a) To document the compliance status with Condition D.9.3 - Visible Emission Notations, the Permittee shall maintain records of visible observations, and any resulting visible emission notations of the Waste Disposal Area and the Material Storage Runoff Pond area, and records of visible emission notations relating to any active onsite landfill area(s).The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

SECTION D.10 **Reserved**

Emissions Unit Description:

Reserved

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

SECTION D.11 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

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

(d) Any of the following structural steel and bridge fabrication activities: [326 IAC 6-3]

(1) Cutting 200,000 linear feet or less of one inch (10) plate or equivalent.

(2) Using 80 tons or less of welding consumables.

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

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day: [326 IAC 6-3]

(4) Shot blasters. [326 IAC 6-3]

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

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

D.11.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) 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.

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emission rate from the brazing, cutting, soldering, welding, grinding, and machining operations shall not exceed an amount determined by the following, for a process weight rate equal to or greater than 100 pounds per hour:

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 and
P = process weight rate in tons per hour.

SECTION D.12 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)]:

(g) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than thresholds require listing only: Pb 0.6 ton per year or 3.29 pounds per day, SO_2 5 pounds per hour or 25 pounds per day, NO_X 5 pounds per hour or 25 pounds per day, CO 25 pounds per day, PM 5 pounds per hour or 25 pounds per day, VOC 3 pounds per hour or 15 pounds per day:

(6) Cold cleaner degreasing operations. [326 IAC 8-3-2][326 IAC 8-3-5]

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

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

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

D.12.1 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-1 and 8-3-2 (Cold Cleaner Degreaser Control and Equipment Operating Requirements), the Permittee shall:

(a) Pursuant to 326 IAC 8-3-1(c)(1)(B) for equipment constructed after January 1, 1980, ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

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

(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) Pursuant to 326 IAC 8-3-1(c)(2)(A)(ii) for equipment constructed after July 1, 1990, ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
(B) A water cover when solvent used is insoluble in, and heavier than, water.
(C) A refrigerated chiller.
(D) Carbon adsorption.
(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:
(A) must be a solid, fluid stream; and
(B) shall be applied at a pressure that does not cause excessive splashing.

D.12.2 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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

D.12.3 Record Keeping Requirements

To document the compliance status with Condition D.12.2, on and after January 1, 2015, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

(a) The name and address of the solvent supplier.

(b) The date of purchase.

(c) The type of solvent purchased.

(d) The total volume of the solvent purchased.

(e) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION E.1 **TITLE IV CONDITIONS**

ORIS Code: 6085

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, a reagent injection system, a flue gas desulfurization system, and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(e) Two (2) natural gas-fired combustion turbines, identified as 16A and 16B, constructed in 1979, each with a design heat input capacity of 1,450 million Btu per hour (MMBtu/hr), each using water injection as needed for NO_X control, exhausting to stacks 16A and 16B, respectively. Units 16A and 16B have continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X), and continuous monitoring systems to measure the water to fuel ratio.

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

Acid Rain Program

E.1.1 Acid Rain Permit [326 IAC 2-7-5(1)(C)] [326 IAC 21] [40 CFR 72 through 40 CFR 78]

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

E.1.2 Title IV Emissions Allowances [326 IAC 2-7-5(4)][326 IAC 21]

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

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

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

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

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

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

New Source Performance Standards (NSPS) Requirements [40 CFR 60]

E.2.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR Part 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, for the above listed emissions units, except when otherwise specified in 40 CFR Part 60, Subpart D.

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

E.2.2 Standards of Performance for Fossil-Fuel-Fired Steam Generators [40 CFR Part 60, Subpart D] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart D, the Permittee shall comply with the provisions of the Standards of Performance for Fossil-Fuel-Fired Steam Generators, which are incorporated by reference as 326 IAC 12, for the dry bottom pulverized coal-fired boiler identified as Unit 15 as specified as follows:

(1) 40 CFR 60.40(a) & (c)
(2) 40 CFR 60.42(a)
(3) 40 CFR 60.43(a), (b) & (c)
(4) 40 CFR 60.44(a)(1-3)&(b)
(5) 40 CFR 60.45
(6) 40 CFR 60.46

Requirements of 40 CFR 60.42(a) and E.2.2(2) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

E.2.3 Alternative PM Emission Limit [40 CFR 60.42(c)]

Pursuant to 40 CFR 60.42(c) and 40 CFR 60.42Da(a), the Permittee shall comply with the alternative PM limit of 0.03 lb per million British thermal units for Unit 15 on a 24-hour daily (block) arithmetic average emissions concentration basis.

This Condition shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

SECTION E.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

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

New Source Performance Standards (NSPS) Requirements [40 CFR 60]

E.3.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR Part 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, for the above listed emissions units, except when otherwise specified in 40 CFR Part 60, Subpart Da.

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

E.3.2 Standards of Performance for Electric Utility Steam Generating Units [40 CFR Part 60, Subpart Da] [326 IAC 12]

(a) Pursuant to 40 CFR Part 60, Subpart Da, the Permittee shall comply with the provisions of the Standards of Performance for Electric Utility Steam Generating Units, which are incorporated by reference as 326 IAC 12, for the two (2) dry bottom pulverized coal-fired boilers, identified as Unit 17 and Unit 18 as specified as follows:

(1) 40 CFR 60.40da(a)
(2) 40 CFR 60.42da(a)&(b)
(3) 40 CFR 60.43da(a),(b),&(h)
(4) 40 CFR 60.44da(a)
(5) 40 CFR 60.48da(a),(b),(d),(e),(h),(q),&(s)
(6) 40 CFR 60.49da(a)(1),(b)(1),(b)(4),(c),(d),(e),(f)(1),(g),(h),(i),(j),(s),&(w)
(7) 40 CFR 60.50da(a).(b)(1),(b)(3),(c),(d),&(e)
(8) 40 CFR 60.51da(a),(b),(c),(i),(j),&(k)

(b) Opacity limitation in 40 CFR 60.42Da(b) and E.3.2(a), shall no longer apply for Units 17 and/or 18 upon the Department's receipt of written notification from the Permittee that PM CEMS is installed, certified, and operating to measure PM emissions from Units 17 and/or 18 pursuant to this permit. Requirements of E.3.2(a) shall no longer apply after the date of receipt of written notification. Instead, pursuant to 40 CFR 60.42Da(b)(1) and 40 CFR 60.48Da(p) the Permittee shall comply with the following for Units 17 and/or 18:

(1) 40 CFR 60.40Da(a)
(2) 40 CFR 60.42Da(a)
(3) 40 CFR 60.43Da(a), (b), and (h)
(4) 40 CFR 60.44Da(a)
(5) 40 CFR 60.48Da(a), (b), (d), (e), (h), (p), and (s)
(6) 40 CFR 60.49Da(b)(1), (4), (c), (d), (e), (f)(1), (g), (h), (i), (j), (s), and (w)
(7) 40 CFR 60.50Da(a), (b)(1), (3), (c), (d), and (e)
(8) 40 CFR 60.51Da(a), (b), (c), (j), and (k)

SECTION E.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(g) Fuel storage and handling systems for Unit 17 and 18 boilers.

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

New Source Performance Standards (NSPS) Requirements [40 CFR 60]

E.4.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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, for the above listed emissions units, except as otherwise specified in 40 CFR Part 60, Subpart Y.

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

E.4.2 New Source Performance Standards of Performance for Coal Preparation and Processing Plants Requirements [40 CFR Part 60, Subpart Y] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart Y, the Permittee shall comply with the provisions of New Source Performance Standards for Coal Preparation and Processing Plants, which are incorporated by reference as 326 IAC 12, for the above emission units as specified as follows:

(1) 40 CFR 60.250(a)&(b)
(2) 40 CFR 60.254(a)
(3) 40 CFR 60.255(a)

SECTION E.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) Two (2) natural gas-fired combustion turbines, identified as 16A and 16B, constructed in 1979, each with a design heat input capacity of 1,450 million Btu per hour (MMBtu/hr), each using water injection as needed for NO_X control, exhausting to stacks 16A and 16B, respectively. Units 16A and 16B have continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X), and continuous monitoring systems to measure the water to fuel ratio.

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

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

E.5.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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, for the above listed emissions, except as otherwise specified in 40 CFR Part 60, Subparts GG.

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

E.5.2 New Source Performance Standards for Stationary Gas Turbines Requirements [40 CFR Part 60, Subpart GG] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart GG, the Permittee shall comply with the provisions of New Source Performance Standards for Stationary Gas Turbines, which are incorporated by reference as 326 IAC 12, for the two (2) natural gas combustion turbines 16A and 16B as specified as follows:

(1) 40 CFR 60.330
(2) 40 CFR 60.332(a)&(f)
(3) 40 CFR 60.333
(4) 40 CFR 60.334
(5) 40 CFR 60.335

SECTION E.6 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(h) Two (2) diesel fired-engines for emergency quench pumps (model year 2011), each rated at 144 horsepower, permitted in 2012.[Under 40 CFR 60, Subpart IIII, emergency quench pumps are considered a new affected source].

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

New Source Performance Standards (NSPS) [40 CFR Part 60]

E.6.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR Part 60.1, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, for the above listed emissions units except when otherwise specified in Table 8 to 40 CFR Part 60, Subpart IIII.

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

E.6.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [326 IAC 12] [40 CFR Part 60, Subpart IIII]

The Permittee shall comply with the following provisions of 40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines), which are incorporated as specified as follows:

(1) 40 CFR 60.4200(a)(2)(ii);
(2) 40 CFR 60.4205(c);
(3) 40 CFR 60.4206;
(4) 40 CFR 60.4207(a);
(5) 40 CFR 60.4207(b);
(6) 40 CFR 60.4209(a);
(7) 40 CFR 60.4211(a);
(8) 40 CFR 60.4211(c);
(9) 40 CFR 60.4211(f);
(10) 40 CFR 60.4211(g)(2);
(11) 40 CFR 60.4214(b);
(12) 40 CFR 60.4218;
(13) Table 3 to Subpart IIII of Part 60
(14) Table 4 to Subpart IIII of Part 60
(15) Table 8 to Subpart IIII of Part 60

SECTION E.7 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) One (1) diesel-fired, compression-ignited, 334 horsepower engine for a stationary fire pump system. It was constructed before July 11, 2005.

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

National Emissions Standard for Hazardous Air Pollutants [40 CFR 63]

E.7.1 General Provisions Relating to National Emissions Standard for Hazardous Air Pollutants for stationary reciprocating Internal Combustion Engines [326 IAC 20] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.6590, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-82 for the affected source, as specified in Appendix A of 40 CFR Part 63, Subpart ZZZZ, in accordance with the schedule in 40 CFR 63 Subpart ZZZZ.

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

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

E.7.2 National Emissions Standard for Hazardous Air Pollutants for stationary reciprocating Internal Combustion Engines [40 CFR Part 63, Subpart ZZZZ]

Pursuant to CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR Part 63.6590, for the affected source, as specified as follows:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585
(3) 40 CFR 63.6590(a)(1)(ii),(b)(3)(iii),&(c)(7)
(4) 40 CFR 63.6595(a)(1)
(5) 40 CFR 63.6602
(6) 40 CFR 63.6605
(7) 40 CFR 63.6625(e),(f),(h),&(i)
(8) 40 CFR 63.6640(f)
(9) 40 CFR 63.6645(a)(1)&(a)(5)
(10) 40 CFR 63.6655(d),(e)(2),&(f)(1)
(11) 40 CFR 63.6660
(12) 40 CFR 63.6665
(13) Table 2(c), #1, of Subpart ZZZZ of Part 63
(14) Table 6, #9, of Subpart ZZZZ of Part 63

SECTION E.8 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(l) Material handling for the Dry Sorbent Injection systems for Unit 14 and Unit 15 boilers, including the following:

(8) Pneumatic sorbent unloading system to unload sorbent from the trucks and transfer to the storage silos, permitted in 2013.

(9) Two (2) 6,755 cubic feet sorbent storage silos that are equipped with bin vent filters that exhaust to the atmosphere, four (4) weigh hoppers and variable speed screw feeders to transport sorbent from the storage silos to the sorbent mills using a pneumatic conveying system, permitted in 2013.

(10) Two (2) sorbent mills used to grind sorbent material for injection in to Unit 14 (no exhaust to the atmosphere), permitted in 2013.

(11) One (1) sorbent mill used to grind sorbent material for injection in to Unit 15 (no exhaust to the atmosphere), permitted in 2013.

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

New Source Performance Standards (NSPS) [40 CFR Part 60]

E.8.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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 for the above listed emission units, except as otherwise specified in 40 CFR Part 60, Subparts OOO.

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

E.8.2 New Source Performance Standards for Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR Part 60, Subpart OOO] [326 IAC 12]

Pursuant to CFR Part 60, Subpart OOO, the Permittee shall comply with the provisions of 40 CFR Part 60.670, for the affected source, as specified as follows:

(a) 40 CFR 60.670 (a)(1)
(b) 40 CFR 60.672 (a), (f)
(c) 40 CFR 60.674 (c) or (d)
(d) 40 CFR 60.675
(e) 40 CFR 60.676 (b), (f), (h), (k)
(f) Table 1 and Table 2 of 40 CFR 60 Subpart OOO

SECTION E.9 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, a reagent injection system, a flue gas desulfurization system, and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.9.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.10040, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-89, for the above listed emissions units, as specified in 40 CFR Part 63, Subpart UUUUU, in accordance with the schedule in 40 CFR Part 63, Subpart UUUUU.

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

E.9.2 Coal- and Oil-Fired Electric Utility Steam Generating Units NESHAP [40 CFR Part 63, Subpart UUUUU]

Pursuant to 40 CFR Part 63, Subpart UUUUU, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart UUUUU (included as Attachment L to this permit), for the above listed emissions units, as specified as follows.

(a) 40 CFR 63.9981
(b) 40 CFR 63.9982(a)(1)
(c) 40 CFR 63.9982(d)
(d) 40 CFR 63.9984(b)
(e) 40 CFR 63.9984(f)
(f) 40 CFR 63.9991(a)(1)
(g) 40 CFR 63.9991(b)
(h) 40 CFR 63.9991(c)
(i) 40 CFR 63.10000(a)
(j) 40 CFR 63.10000(b)
(k) 40 CFR 63.10000(c)(1)(i)
(l) 40 CFR 63.10000(c)(1)(iii)
(m) 40 CFR 63.10000(c)(1)(iv)
(n) 40 CFR 63.10000(c)(1)(v)
(o) 40 CFR 63.10000(c)(1)(vi)
(p) 40 CFR 63.10000(d) - (g)
(q) 40 CFR 63.10000(i) - (l)
(r) 40 CFR 63.10005(a)(1)
(s) 40 CFR 63.10005(a)(2)(i)
(t) 40 CFR 63.10005(a)(2)(ii)
(u) 40 CFR 63.10005(b)
(v) 40 CFR 63.10005(d)(1)
(w) 40 CFR 63.10005(d)(3)
(x) 40 CFR 63.10005(e)
(y) 40 CFR 63.10005(f)
(z) 40 CFR 63.10005(h)(1)(i)
(aa) 40 CFR 63.10005(h)(2)
(bb) 40 CFR 63.10005(j)

(cc) 40 CFR 63.10005(k)
(dd) 40 CFR 63.10006(b)(1)
(ee) 40 CFR 63.10006(c)
(ff) 40 CFR 63.10006(f) - (j)
(gg) 40 CFR 63.10007(a)(1)
(hh) 40 CFR 63.10007(a)(2)
(ii) 40 CFR 63.10007(b)
(jj) 40 CFR 63.10007(d) - (g)
(kk) 40 CFR 63.10009(a)(1)
(ll) 40 CFR 63.10009(a)(2)(i)
(mm) 40 CFR 63.10009(a)(2)(ii)
(nn) 40 CFR 63.10009(b) - (j)
(oo) 40 CFR 63.10010(a)(1)
(pp) 40 CFR 63.10010(b)
(qq) 40 CFR 63.10010(c)
(rr) 40 CFR 63.10010(d)
(ss) 40 CFR 63.10010(f)
(tt) 40 CFR 63.10010(g)
(uu) 40 CFR 63.10010(i)
(vv) 40 CFR 63.10010(l)
(ww) 40 CFR 63.10011
(xx) 40 CFR 63.10020
(yy) 40 CFR 63.10021(a)
(zz) 40 CFR 63.10021(b)
(aaa) 40 CFR 63.10021(d)(1)
(bbb) 40 CFR 63.10021(d)(2)
(ccc) 40 CFR 63.10021(e) - (i)
(ddd) 40 CFR 63.10022
(eee) 40 CFR 63.10030
(fff) 40 CFR 63.10031
(ggg) 40 CFR 63.10032
(hhh) 40 CFR 63.10033
(iii) 40 CFR 63.10041
(jjj) 40 CFR 63.10042
(kkk) Table 2(1) to 40 CFR 63, Subpart UUUUU
(lll) Table 3(1),(3),(4) to 40 CFR 63, Subpart UUUUU
(mmm) Table 5(1),(4),(5) to 40 CFR 63, Subpart UUUUU
(nnn) Table 8 to 40 CFR 63, Subpart UUUUU
(ooo) Appendix A to 40 CFR 63, Subpart UUUUU

SECTION F EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Entire Source

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

Provisions of NIPSCO Consent Decree Applicable to Schahfer Generating Station

F.1 Consent Decree [*United States and the State of Indiana v. Northern Indiana Public Service Co.*, 2:11-cv-00016-JVB-APR (N.D. Ind. July 22, 2011), paragraph 169] [326 IAC 2-7-6(3)]

This source is subject to certain conditions, requirements and limitations set forth in the consent decree entered into by and among the United States, the State of Indiana, and the Permittee in *United States and the State of Indiana v. Northern Indiana Public Service Co.*, 2:11-cv-00016-JVB-APR (N.D. Ind. July 22, 2011) (herein referred to as the "Decree"). Pursuant to paragraph 169 of the Decree, those paragraphs and tables of the Decree listed in Attachment A of this permit are incorporated by reference into this permit and are applicable requirements under this permit. Subject to the terms and conditions of this Section F.1, the Permittee shall comply with the paragraphs and tables of the Decree that are listed in Attachment A of this permit. A copy of the Decree is attached to this permit as Attachment B. However, only those specific paragraphs and tables of the Decree that are included in Attachment A of this permit and incorporated by reference pursuant to this Section F.1, are applicable requirements enforceable through this permit.

Each paragraph and table listed in Attachment A of this permit is incorporated by reference in its entirety, including any and all paragraphs, conditions, requirements and/or limitations of the Decree explicitly referenced in such paragraphs or tables. However, the Permittee's obligations under this permit to comply with the conditions, requirements and limitations incorporated by reference in the paragraphs and tables listed in Attachment A of this permit shall be limited to those conditions, requirements and limitations applicable to, and only to the extent applicable to, the Schahfer Station while this permit is in effect. For clarity, such applicable conditions, requirements and limitations shall, subject to the subsequent paragraph, include the annual system tonnage limitations applicable to the NIPSCO System (as that term is defined under paragraph 36 of the Decree) as a whole as provided under Table 4 and Table 6 of the Decree as listed in Attachment A hereto.
In accordance with paragraph 169 of the Decree, any noncompliance with an annual system tonnage limitation incorporated by reference pursuant to this Section F.1 and Attachment A shall constitute a single violation for the NIPSCO System (as that term is defined under paragraph 36 of the Decree) as a whole and does not create a separate violation or violations for each unit or source within the NIPSCO System. Compliance with the paragraphs and tables listed in Attachment A of this permit shall be determined exclusively by reference to the conditions, requirements and limitations of the Decree. Whenever any conflict or inconsistency arises between the Decree and this permit, the terms and conditions of the Decree control.

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: 6085

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, a reagent injection system, a flue gas desulfurization system, and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system, continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 17 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). Unit 18 has been approved to fire blends of coal and petroleum coke. Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that

PM CEMS is installed, certified, and operating.

(e) Two (2) natural gas-fired combustion turbines, identified as 16A and 16B, constructed in 1979, each with a design heat input capacity of 1,450 million Btu per hour (MMBtu/hr), each using water injection as needed for NO_X control, exhausting to stacks 16A and 16B, respectively. Units 16A and 16B have continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X), and continuous monitoring systems to measure the water to fuel ratio.

(The information describing the process contained in this emissions unit 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, CAIR SO_2 unit, and CAIR NO_X ozone season unit subject to this CAIR permit are Units 14, 15, 17, 18, 16A, and 16B.

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 G.4.1, Nitrogen Oxides Emission Requirements, Condition G.4.2, Sulfur Dioxide Emission Requirements, and Condition G.4.3, Nitrogen Oxides Ozone Season Emission Requirements.

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

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

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

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

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

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

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

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

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

(a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR 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.4.3 Nitrogen Oxides Ozone Season Emission Requirements [326 IAC 24-3-4(c)] [40 CFR 97.306(c)]

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

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

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

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

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

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

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

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

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

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

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

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

(b) The owners and operators of a CAIR 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.6 Record Keeping Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)] [326 IAC 2-7-5(3)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

Unless otherwise provided, the owners and operators of the CAIR NO_X source, CAIR 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.7 Reporting Requirements [326 IAC 24-1-4(e)] [326 IAC 24-2-4(e)] [326 IAC 24-3-4(e)] [40 CFR 97.106(e)] [40 CFR 97.206(e)] [40 CFR 97.306(e)]

(a) The CAIR designated representative of the CAIR NO_X source, CAIR 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
Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

The owners and operators of each CAIR NO_X source, CAIR 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.9 Effect on Other Authorities [326 IAC 24-1-4(g)] [326 IAC 24-2-4(g)] [326 IAC 24-3-4(g)] [40 CFR 97.106(g)] [40 CFR 97.206(g)] [40 CFR 97.306(g)]

No provision of the CAIR NO_X annual trading program, CAIR 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.10 CAIR Designated Representative and Alternate CAIR Designated Representative [326 IAC 24-1-6] [326 IAC 24-2-6] [326 IAC 24-3-6] [40 CFR 97, Subpart BB] [40 CFR 97, Subpart BBB] [40 CFR 97, Subpart BBBB]

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

(a) Except as specified in 326 IAC 24-1-6(f)(3), 326 IAC 24-2-6(f)(3), and 326 IAC 24-3-6(f)(3), each CAIR NO_X source, CAIR 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.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT

CERTIFICATION

Source Name: NIPSCO - Schahfer Generating Station
Source Address: 2723 East 1500 North, Wheatfield, Indiana 46392
Part 70 Permit No.: T073-29983-00008

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: NIPSCO - Schahfer Generating Station
Source Address: 2723 East 1500 North, Wheatfield, Indiana 46392
Part 70 Permit No.: T073-29983-00008

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: _____

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

Part 70 Quarterly Report

Source Name: NIPSCO - Schahfer Generating Station
Source Address: 2723 East 1500 North, Wheatfield, Indiana 46392
Part 70 Permit No.: T073-29983-00008
Facility: Turbine 16A
Parameter: Operating Hours
Limit: Less than 2,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

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

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

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

Part 70 Quarterly Report

Source Name: NIPSCO - Schahfer Generating Station
Source Address: 2723 East 1500 North, Wheatfield, Indiana 46392
Part 70 Permit No.: T073-29983-00008
Facility: Turbine 16B
Parameter: Operating Hours
Limit: Less than 2,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

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

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

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: NIPSCO - Schahfer Generating Station
Source Address: 2723 East 1500 North, Wheatfield, Indiana 46392
Part 70 Permit No.: T073-29983-00008

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, 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: _____

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	NIPSCO - R.M. Schahfer Generating Station
Source Location:	2723 East 1500 North, Wheatfield, IN 46392
County:	Jasper
SIC Code:	4911
Operation Permit No.:	T 073-29983-00008
Operation Permit Issuance Date:	December 28, 2012
Significant Permit Modification No.:	073-37137-00008
Permit Reviewer:	Deena Patton

Existing Approvals

The source was issued Part 70 Operating Permit No. 073-29983-00008 on December 28, 2012. The source has since received the following approvals:

(a) Significant Permit Modification No. 073-33089-00008, issued on July 30, 2013;

(b) Minor Source Modification No. 073-34366-00008, issued on April 15, 2014;

(c) Administrative Amendment No. 073-34380-00008, issued on April 15, 2014;

(d) Significant Permit Modification No. 073-34257-00008, issued June 24, 2014;

(e) Administrative Amendment No. 073-35124-00008, issued December 18, 2014;

(f) Significant Permit Modification No. 073-35260-00008, issued May 28, 2015;

(g) Significant Permit Modification No. 073-36384-00008, issued December 29, 2015;

(h) Administrative Amendment No. 073-36680-00008, issued January 25, 2016; and

(i) Administrative Amendment No. 073-37007-00008, issued April 13, 2016.

County Attainment Status

The source is located in Jasper County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard.[1]
$PM_{2.5}$	Unclassifiable or attainment effective April 5, 2005, for the annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

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

(b) $PM_{2.5}$
Jasper County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Jasper County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by NIPSCO - R.M. Schahfer Generating Station on April 29, 2016, relating to grant an exemption for Unit 15 from the PM and opacity limitations in 40 CFR 60.42(a)(1) and (2) and to allow Unit 15 to comply with the PM limit in 40 CFR 60.42Da(a). Furthermore, the source plans to utilize PM CEMS in lieu of COMS for Units 14, 15, 17, and 18. In the case of Units 17 and 18, this request also involves incorporation of the PM CEMS compliance option under 40 CFR 60 Subpart Da. The following is a list of the emission units and pollution control devices:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~ **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has **a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system,** continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.** ~~The Source plans to install a Reagent Injection System on Unit 15 by 2016. The source plans to install and operate a Selective Non-Catalytic Reduction (SNCR) system on Unit 15 by 2013 and a Flue Gas Desulfurization System on Unit 15 by 2016.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 17 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 18 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

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

Permit Level Determination – Part 70 Modification to an Existing Source

There is no increase in the potential to emit of any regulated pollutants associated with this modification. This modification is not subject to the source modification requirements under 326 IAC 2-7-10.5. The changes will be incorporated into the permit as a Significant Permit Modification under 326 IAC 2-7-12, because the modification involves significant changes to existing monitoring, reporting, and record keeping requirements.

Permit Level Determination – PSD

The change does not involve any physical change or change in the method of operation of the stationary source that would result in an increase in emissions. This modification is not subject to PSD review.

Federal Rule Applicability Determination

There are no new Federal rules applicable to this modification.

State Rule Applicability Determination

There are no new State rules applicable to this modification.

Compliance Determination and Monitoring Requirements

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

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

Changes to the compliance determination and monitoring requirements are detailed in the Proposed Changes section of this document.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 073-29983-00008. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

***

D.1.1 Particulate Emission Requirements [326 IAC 6-2-1(g)]

***

D.1.2 Startup, Shutdown, and Other Opacity Limits [326 IAC 5-1-3]

***

D.1.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

***

D.1.4 Capacity Limitation [326 IAC 6-2-1(g)] [326 IAC 2-7-5]

(a) Pursuant to 326 IAC 6-2-1(g) and Operation Permit 37-05-91-0102, issued on September 14, 1988, unit No. 14 shall not exceed a maximum hourly average of 468 megawatts gross until such time as stack testing indicates compliance with the PM and opacity limitations in Condition D.1.1 and Section C - Opacity at a higher level. The Permittee may request a temporary exemption in accordance with 326 IAC 2-1.1-3(g)(3) for stack testing at a higher capacity.

(b) The Condition D.1.4(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

Compliance Determination Requirements [326 IAC 2-7-6]

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

(a) By December 31 of the second calendar year following the most recent stack test, compliance with the PM limitation for Unit 14 shall be determined by performance stack tests conducted using methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(b) The Condition D.1.5(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.5.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

***

(f) The Conditions D.1.5.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

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

Except as otherwise provided by statute or rule or in this permit, the electrostatic precipitator (ESP) for Unit 14 shall be operated at all times that coal is being combusted in Unit 14.

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

***

D.1.7.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 14 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to

40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.1.1 shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.1.1, the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Conditions D.1.7.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.8 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

***

D.1.8.1 Compliance Schedule for National Emission Standard for Hazardous Air Pollutants: Coal - and Oil-Fired Electric Utility Steam Generating Units [40 CFR 63, Subpart UUUUU]

***

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

D.1.9 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

***

(c) The Conditions D.1.9(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.10 Opacity Readings [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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(d) The Conditions D.1.10 (a) through (c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.11 SO_2 Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

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D.1.11.1PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever the PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter

emissions shall be monitored once per day when Unit 14 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Condition D.1.11.1(a) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

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

D.1.12 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with the particulate matter and opacity requirements in Conditions D.1.1, D.1.2, D.1.5, D.1.5.1, D.1.9, and D.1.10, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.1.1, and D.1.2.

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

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

(3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.

(4) All ESP parametric monitoring readings pursuant to D.1.9.

(b) To document the compliance status with SO_2 Conditions D.1.3, D.1.8, and D.1.11, the Permittee shall maintain the records identified in (1) through (3) below. Records shall be complete and sufficient to establish compliance with the SO_2 limits as required in Conditions D.1.3 and D.1.8. The Permittee shall maintain records in accordance with (2) and (3) below during SO_2 CEM system downtime.

(1) All SO_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 7-2-1(g).

(2) Any fuel sampling and analysis data collected for or portable analyzer data for SO_2 CEM downtime, in accordance with Condition D.1.11.

(3) Actual fuel usage during each SO_2 CEM downtime to the extent such data is required by Condition D.1.12 to be obtained.

(c) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of the Unit 14 gross output, in gross MW per hour.

(d) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.1.12.1PM Record Keeping Requirements

(a) To document the compliance status with requirements in Condition D.1.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.1.1.

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Conditions D.1.12(a) and (c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

(e) Conditions D.1.12.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

D.1.13 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document compliance status with Conditions D.1.1, D.1.3, D.1.4, and D.1.7 shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. **This Condition D.1.13(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.**

(b) Pursuant to 326 IAC 3-5-7(~~5~~**c**)**(4)**, reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(c) A quarterly summary of the information to document the compliance status with D.1.1, D.1.3, D.1.7, and D.1.7.1 shall be submitted no later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.1.13(c) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.1.7.1 of this permit.

***

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

D.2.1 CO PSD BACT Requirements [326 IAC 2-2-3]

***

D.2.2 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

***

D.2.3 Startup, Shutdown, and Other Opacity Limits [326 IAC 5-1-3]

***

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

(a) Pursuant to 326 IAC 7.1.1-2(a)(3), sulfur dioxide emissions from Unit 15 shall not exceed five-tenths (0.5) pound per million Btu's (lb/MMBtu) when combusting only distillate oil or only distillate oil and natural gas.

(b) Pursuant to 326 IAC 7-1.1-2(a)(1), sulfur dioxide emissions from Unit 15 shall not exceed six and zero-tenths (6.0) pounds per million Btu for coal combustion.

(c) Pursuant to 326 IAC 7-1.1-2(b), sulfur dioxide emissions from Unit 15 shall not exceed six and zero-tenths (6.0) pounds per million Btu when combusting coal and oil simultaneously.

D.2.5 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

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

***

(c) The Condition D.1.4(b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.6.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

***

(f) The Conditions D.2.6.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.7 Boiler Combustion Optimization Plan [326 IAC 2-2]

***

D.2.8 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

***

D.2.9 Continuous Emissions Monitoring (CEMS) [326 IAC 2-2] [326 IAC 3-5] [326 IAC 12] [40 CFR 60, Subpart D]

***

D.2.9.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 15 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.2.2 shall be determined based on the 24-hour daily (block) average of the

hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.2.2, the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Conditions D.2.9.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3] [326 IAC 7-2] [326 IAC 7-1.1-2]

***

D.2.10.1 Compliance Schedule for National Emission Standard for Hazardous Air Pollutants: Coal - and Oil-Fired Electric Utility Steam Generating Units [40 CFR 63, Subpart UUUUU]

***

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

D.2.11 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

***

(c) The Conditions D.2.11(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.12 SO_2 Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

***

D.2.12.1 PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever the PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter emissions shall be monitored once per day when Unit 15 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Condition D.2.12.1(a) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

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

D.2.13 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with the carbon monoxide requirements in Condition D.2.1 and D.2.6(a), the Permittee shall maintain records on-site in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limit in Condition D.2.1.

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

(2) Boiler Combustion Optimization Plan.

(b) ***

(e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.2.13.1 PM Record Keeping Requirements

(a) To document the compliance status with requirements in Conditions D.2.2 the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.2.2.

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Condition D.2.13(b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

(e) Condition D.2.13.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

D.2.14 Reporting Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document the compliance status with Conditions D.2.1, D.2.3, D.2.4, D.2.9, D.2.10, D.2.11, and D.2.12, shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. **This Condition D.2.14(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.**

(b) Pursuant to 326 IAC 3-5-7(~~5~~**c**)**(4)**, reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:

(c) A quarterly summary of the information to document the compliance status with D.2.1, D.2.2, D.2.4, D.2.9, and D.2.9.1 shall be submitted no later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.2.14(c) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

***

D.3.1 Prevention of Significant Deterioration (PSD) and Construction Permit Limitations [326 IAC 2-2] [326 IAC 6-2-1(g)] [326 IAC 7-1.1-2]

***

D.3.2 Reserved

D.3.3 Alternative Fuel Blends [326 IAC 2-2]

***

D.3.4 Reserved

Compliance Determination Requirements [326 IAC 2-7-6]

D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) By December 31 of the second calendar year following the most recent stack test, compliance with the PM limitation in Condition D.3.1 shall be determined by a performance stack test conducted using Method 5B or 17, or other methods as approved by the Commissioner. This testing shall be repeated by December 31 of every second calendar year following this valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.
For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(b) The Condition D.3.5(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.5.1 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

***

(f) The Conditions D.3.5.1(a) through (e) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.6 Operation of Electrostatic Precipitator [326 IAC 2-7-6(6)]

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D.3.7 Scrubber Operation [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

****

D.3.8 Reserved

D.3.9 Continuous Emissions Monitoring [326 IAC 2-2] [326 IAC 3-5] [326 IAC 7-2-1(g)] [326 IAC 12] [40 CFR 60, Subpart Da]

***

D.3.9.1 Particulate Matter (PM) Continuous Emission Monitoring System [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

The Permittee shall install, certify, maintain, and operate a CEMS measuring PM emissions discharged from Unit 17 and/or Unit 18 to the atmosphere and record the output of the system as specified in paragraphs (a) through (e):

(a) The PM CEMS shall be installed, certified, operated, and maintained pursuant to 40 CFR Part 60, Appendix B, Performance Specification #11 and 40 CFR 60.13(e).

(b) Compliance with the applicable particulate emission limitations in Condition D.3.1 shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emissions concentrations using the continuous monitoring system outlet data.

(c) For purposes of demonstrating compliance with the particulate emission limitation in Condition D.3.1(b), the Permittee shall adjust to 5% any measured carbon dioxide (CO2) values that are below 5%.

(d) 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.

(e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 26 IAC 3.

(f) The Conditions D.3.9.1 (a) through (e) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.10 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3]

***

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

D.3.11 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

***

(c) The Conditions D.3.11(a) through (b) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.12 SO_2 Monitoring System Downtime [326 IAC 2-2] [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

***

D.3.12.1PM Monitoring System Downtime [326 IAC 2-7-6][326 IAC 2-7-5(3)][326 IAC 2-7-5(1)]

(a) Whenever the PM CEMS is malfunctioning or down for repair or adjustments for 24 hours or more, and a backup CEMS is not brought on-line, the following shall be used to provide information related to particulate emissions:

(1) The ability of the electrostatic precipitator to control particulate matter emissions shall be monitored once per day when Unit 17 or Unit 18 is in operation by measuring and recording the following:

(A) the primary and secondary currents of the T-R sets.

(B) the primary and secondary voltages of the T-R sets

(C) daily number of TR sets in service

(b) The Condition D.3.12.1(a) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

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

D.3.13 Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) To document the compliance status with the particulate matter and opacity requirements in Conditions D.3.1, D.3.5.1, D.3.9, and D.3.11 the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.3.1.

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

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

(3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.

(4) All ESP parametric monitoring readings pursuant to condition D.3.11.

(b) To document the compliance status with SO_2 Conditions D.3.1(d), D.3.9, D.3.10, and D.3.12, the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the SO_2 limit(s) as required in Conditions D.3.1(d), D.3.9, D.3.10, and D.3.12. The Permittee shall maintain records in accordance with (2) below during SO_2 CEM system downtime.

(1) All SO_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6, 326 IAC 7-2-1(g) and/or 40 CFR 60.47a.

(2) All scrubber parametric monitoring readings taken during any periods of CEM downtime, in accordance with Condition D.3.12.

(c) To document the compliance status with NO_X Conditions D.3.1(e) and D.3.9, the Permittee shall maintain records of all NO_X and CO_2 or O_2 continuous emissions monitoring data, pursuant to 326 IAC 3-5-6 and 326 IAC 2-2. Records shall be complete and sufficient to establish compliance with the NO_X limits as required in Conditions D.3.1(e) and D.3.9.

(d) Reserved.

(e) To document the compliance status with Condition D.3.3, the Permittee shall maintain records of the amount of petroleum coke combusted and the pet coke/coal blend rate for each boiler. Records shall be complete and sufficient to establish compliance with the fuel limit of Condition D.3.3 using a thirty (30) day rolling weighted average.

(f) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

D.3.13.1 PM Record Keeping Requirements

(a) To document the compliance status with requirements in Conditions D.3.1(b) the Permittee shall maintain records in accordance with (1) and (2) below. Records shall be complete and sufficient to establish compliance with the limits established in Condition D.3.1(b).

(1) PM CEMS data when the PM CEMS is installed, certified, and operating to measure PM pursuant to this permit.

(2) All ESP Parametric monitoring readings when used as backup for the duration when PM CEMS are down.

(b) The Permittee shall maintain all PM continuous emissions monitoring data, with calendar dates and beginning and ending times of any CEM downtime, the reasons for each CEM downtime, and the efforts made to correct the problem.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

(d) Condition D.3.13(a) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

(e) Condition D.3.13.1(a) and (b) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

D.3.14 Reporting Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-19]

(a) A quarterly report of opacity exceedances and a quarterly summary of the information to document the compliance status with Conditions D.3.1 and D.3.3 shall be submitted not later than thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. **This Condition D.3.14(a), shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.**

(b) Reserved

(c) Pursuant to 326 IAC 3-5-7(~~5~~**c**)**(4)**, reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:
***

(d) A quarterly summary of the information to document the compliance status with D.3.1(a), D.3.1(b), D.3.1(e), D.3.3, D.3.9, and D.3.9.1 shall be submitted no later than thirty (30) days after the end of the calendar quarter being reported.

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. This Condition D.3.14(d) shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.3.9.1 of this permit.

***

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has **a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system,** continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.** ~~The Source plans to install a Reagent Injection System on Unit 15 by 2016. The source plans to install and operate a Selective Non-Catalytic Reduction (SNCR) system on Unit 15 by 2013 and a Flue Gas Desulfurization System on Unit 15 by 2016.~~

~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

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

New Source Performance Standards (NSPS) Requirements [40 CFR 60]

E.2.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

***

E.2.2 Standards of Performance for Fossil-Fuel-Fired Steam Generators [40 CFR Part 60, Subpart D] [326 IAC 12]

***

Requirements of 40 CFR 60.42(a) and E.2.2(2) shall no longer apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

E.2.3 Alternative PM Emission Limit [40 CFR 60.42(c)]

Pursuant to 40 CFR 60.42(c) and 40 CFR 60.42Da(a), the Permittee shall comply with the alternative PM limit of 0.03 lb per million British thermal units for Unit 15 on a 24-hour daily (block) arithmetic average emissions concentration basis.

This Condition shall apply after the date when the IDEM OAQ receives written notification from the Permittee that PM CEMs is installed, certified, and operating to measure PM emissions pursuant to Section D.2.9.1 of this permit.

***

SECTION E.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 17 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.** ~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 18 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

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

E.3.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR Part 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, for the above listed emissions units, except when otherwise specified in 40 CFR Part 60, Subpart Da.

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

E.3.2 Standards of Performance for Electric Utility Steam Generating Units [40 CFR Part 60, Subpart Da] [326 IAC 12]

(a) Pursuant to 40 CFR Part 60, Subpart Da, the Permittee shall comply with the provisions of the Standards of Performance for Electric Utility Steam Generating Units, which are incorporated by reference as 326 IAC 12, for the two (2) dry bottom pulverized coal-fired boilers, identified as Unit 17 and Unit 18 as specified as follows:

(1) 40 CFR 60.40da(a)
(2) 40 CFR 60.42da(a)&(b)
(3) 40 CFR 60.43da(a),(b),&(h)
(4) 40 CFR 60.44da(a)
(5) 40 CFR 60.48da(a),(b),(d),(e),(h),(q),&(s)

(6) 40 CFR 60.49da(a)(1),(b)(1),(b)(4),(c),(d),(e),(f)(1),(g),(h),(i),(j),(s),&(w)
(7) 40 CFR 60.50da(a).(b)(1),(b)(3),(c),(d),&(e)
(8) 40 CFR 60.51da(a),(b),(c),(i),(j),&(k)

(b) Opacity limitation in 40 CFR 60.42Da(b) and E.3.2(a), shall no longer apply for Units 17 and/or 18 upon the Department's receipt of written notification from the Permittee that PM CEMS is installed, certified, and operating to measure PM emissions from Units 17 and/or 18 pursuant to this permit. Requirements of E.3.2(a) shall no longer apply after the date of receipt of written notification. Instead, pursuant to 40 CFR 60.42Da(b)(1) and 40 CFR 60.48Da(p) the Permittee shall comply with the following for Units 17 and/or 18:

(1) 40 CFR 60.40Da(a)
(2) 40 CFR 60.42Da(a)
(3) 40 CFR 60.43Da(a), (b), and (h)
(4) 40 CFR 60.44Da(a)
(5) 40 CFR 60.48Da(a), (b), (d), (e), (h), (p), and (s)
(6) 40 CFR 60.49Da(b)(1), (4), (c), (d), (e), (f)(1), (g), (h), (i), (j), (s), and (w)
(7) 40 CFR 60.50Da(a), (b)(1), (3), (c), (d), and (e)
(8) 40 CFR 60.51Da(a), (b), (c), (j), and (k)

Additional Changes

The changes listed below have been made to Part 70 Operating Permit No. 073-29983-00008. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

[Change 1]: IDEM OAQ has removed the designation of the modifications from the list, to be more consistent throughout the permit.

~~First~~ Significant Permit Modification No. 073-33089-00008, issued on July 30, 2013
~~First~~ Administrative Amendment No. 073-34380-00008, issued on April 15, 2014
~~Second~~ Significant Permit Modification No. 073-34257-00008, issued on June 24, 2014
~~Second~~ Administrative Amendment No.: 073-35124-00008, issued on December 18, 2014
Significant Permit Modification No.: 073-36384-00008, issued on December 29, 2015.
~~Third~~ Administrative Amendment No.: 073-36680-00008, issued on January 25, 2016.
~~Fourth~~ Administrative Amendment No.: 073-37007-00008, issued on April 13, 2016

Significant Permit Modification No. 073-37137-00008	
Issued by:	Issuance Date:
Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Expiration Date: December 28, 2017

***

[Change 2]: IDEM OAQ has modified the language below to make clear that there are CEMS used to monitor the particulate emissions. This change has been made throughout the permit to the below listed emission unit descriptions.

***

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~ **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has **a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system,** continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.** ~~The Source plans to install a Reagent Injection System on Unit 15 by 2016. The source plans to install and operate a Selective Non-Catalytic Reduction (SNCR) system on Unit 15 by 2013 and a Flue Gas Desulfurization System on Unit 15 by 2016.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 17 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 18 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

[Change 3]: IDEM OAQ has modified the emission unit description to address the installation of the Reagent Injection System and the Flue Gas Desulfurization System on Unit 14.

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~ **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~ **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

***

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

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SECTION E.1 TITLE IV CONDITIONS

ORIS Code: 6085

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~ **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

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SECTION E.9 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014. A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~
Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has **a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system,** continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ**

receives written notification from the Permittee that PM CEMS is installed, certified, and operating. ~~The Source plans to install a Reagent Injection System on Unit 15 by 2016. The source plans to install and operate a Selective Non-Catalytic Reduction (SNCR) system on Unit 15 by 2013 and a Flue Gas Desulfurization System on Unit 15 by 2016.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 17 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 18 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

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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: 6085

Emissions Unit Description:

(a) One (1) cyclone coal-fired boiler identified as Unit 14, with construction commenced in 1970 and commercial operation begun in 1976, with a design heat input capacity of 4,650 million Btu per hour (MMBtu/hr), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) exhausting ng to stack 14. Unit 14 has a selective catalytic reduction (SCR) system, **a reagent injection system, a flue gas desulfurization system,** and has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring system (COMS). ~~The Source plans to install a Reagent Injection System on Unit 14 by 2014. The source plans to install and operate a Flue Gas Desulfurization System on Unit 14 by 2014.~~
~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~
Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.

(b) One (1) dry bottom pulverized coal-fired boiler identified as Unit 15, with construction commenced in 1974 and commercial operation begun in 1979, with a design heat input capacity of 5,100 million Btu per hour (MMBtu/hr), with low NO_X burners (replaced in 2008-2009), combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an activated carbon injection system for control of mercury emissions authorized in 2014, and an electrostatic precipitator (ESP) with a flue gas conditioning (FGC) system for control of particulate matter, and exhausting to stack 15. Unit 15 has **a selective non-catalytic reduction (SNCR) system, a reagent injection system, a flue gas desulfurization system,** continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.** ~~The Source plans to install a Reagent Injection System on Unit 15 by 2016. The source plans to install and operate a Selective Non-Catalytic Reduction (SNCR) system on Unit 15 by 2013 and a Flue Gas Desulfurization System on Unit 15 by 2016.~~

~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(c) One (1) dry bottom pulverized coal-fired boiler identified as Unit 17, with construction started in 1980 and commercial operation begun in 1983, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 17. Unit 17 is equipped with continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 17 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

~~A continuous emissions monitoring system (CEMS) for particulate matter permitted in 2016,~~

(d) One (1) dry bottom pulverized coal-fired boiler identified as Unit 18, with construction started in 1980 and commercial operation begun in 1986, with a design heat input capacity of 3,967 million Btu per hour (MMBtu/hr) based on 30-day averages from coal sampling, with low NO_X burners, combusting No. 2 fuel oil and/or natural gas for ignition and as supplemental fuels, using an electrostatic precipitator (ESP) for control of particulate matter, and exhausting through a limestone-based flue gas desulfurization system to stack 18. Unit 18 has continuous emissions monitoring systems (CEMS) for monitoring nitrogen oxides (NO_X) and sulfur dioxide (SO_2) and a continuous opacity monitoring ~~(COM)~~ system **(COMS)**. Unit 18 has been approved to fire blends of coal and petroleum coke. **Particulate matter (PM) CEMS will replace COMS for compliance purposes when the IDEM OAQ receives written notification from the Permittee that PM CEMS is installed, certified, and operating.**

***

[Change 4]: IDEM OAQ has modified the citations below to clarify that the CEMS is not needed for Prevention of Significant Deterioration (326 IAC 2-2)].

D.2.9 Continuous Emissions Monitoring (CEMS) ~~[326 IAC 2-2]~~ [326 IAC 3-5] [326 IAC 12] [40 CFR 60, Subpart D]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) and 40 CFR 60.45, continuous emission monitoring systems for Unit 15 shall be calibrated, maintained, and operated for measuring SO_2, NO_X and either O_2 or CO_2, which meet the performance specifications of 326 IAC 3-5-2 and 40 CFR 60.45.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Pursuant to 326 IAC 3-5-4(a), if revisions are made to the continuous monitoring standard operating procedures (SOP), the Permittee shall submit updates to the department biennially.

(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 10-4, 40 CFR 60, or 40 CFR 75.

***

[Change 5]: The address where all required notifications and reports are to be sent for the NSPS and NESHAP rules applicable to the source has been added.

***

E.2.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

(a) **Pursuant to** ~~The provisions of~~ 40 CFR Part 60**.1**, **the Permittee shall comply with the provisions of 40 CFR Part 60,** Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, **for the above listed emissions unit,** ~~apply to the boiler described in this section~~ except when otherwise specified in 40 CFR Part 60, Subpart D.

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

***

E.3.1 General Provisions Relating to New Source Performance Standards [326 IAC 12][40 CFR Part 60, Subpart A]

(a) **Pursuant to** ~~The provisions of~~ 40 CFR Part 60**.1**, **the Permittee shall comply with the provisions of 40 CFR Part 60,** Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, **for the above listed emissions units,** ~~apply to the boiler described in this section~~ except when otherwise specified in 40 CFR Part 60, Subpart Da.

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

***

E.4.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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**, for the above listed emissions units** ~~for the enclosed coal crushers~~, except as otherwise specified in 40 CFR Part 60, Subpart Y.

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

***

E.5.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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**,** for **the above listed emissions units** ~~the two (2) natural gas combustion turbines 16A and 16B~~, except as otherwise specified in 40 CFR Part 60, Subparts GG.

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

***

E.6.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(a) **Pursuant to** ~~The provisions of~~ 40 CFR Part 60**.1**, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, **for the above listed emissions units,** ~~apply to the emergency engine described in this section~~ except when otherwise specified in Table 8 to 40 CFR Part 60, Subpart IIII.

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

***

E.7.1 General Provisions Relating to National Emissions Standard for Hazardous Air Pollutants for stationary reciprocating Internal Combustion Engines [326 IAC 20] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.6590, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20~~-1-1~~**-82** for the affected source, as specified in Appendix A of 40 CFR Part 63, Subpart ZZZZ, in accordance with the schedule in 40 CFR 63 Subpart ZZZZ.

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

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

***

E.8.1 General Provisions Relating to New Source Performance Standards [326 IAC 12] [40 CFR Part 60, Subpart A]

(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 for the **above listed emission units** ~~DSI system~~, except as otherwise specified in 40 CFR Part 60, Subparts OOO.

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

***

E.9.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.10040, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-~~1-1~~**89**, for the above listed emissions units, as specified in 40 CFR Part 63, Subpart UUUUU, in accordance with the schedule in 40 CFR Part 63, Subpart UUUUU.

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

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on April 29, 2016.

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 073-37137-00008.

The staff recommends to the Commissioner that the Part 70 Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Deena Patton 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) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.

(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 Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

July 13, 2016

Mr. Stephen Holcomb
Northern Indiana Public Service Company (NIPSCO)
801 East 86th Avenue
Merrillville, IN 46410

Re: Public Notice
NIPSCO R.M. Schahfer Generating Station
Permit Level: Title V Significant Permit Modification
Permit Number: 073-37137-00008

Dear Mr. Holcomb:

Enclosed is a copy of your draft Title V Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Rensselaer Republican in Rensselaer, Indiana publish the abbreviated version of the public notice no later than July 15, 2016. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Wheatfield Public Library, 350 South Bierma Street in Wheatfield, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Deena Patton, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-5400 or dial (317) 234-5400.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter 2/17/2016

Indiana Department of Environmental Management
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100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 12, 2016

Rensselaer Republican
117 North Can Rensselaer Street
Rensselaer, IN 47978

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for NIPSCO R.M. Schahfer Generating Station, Jasper County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than July 15, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Title V Significant Permit Modification
Permit Number: 073-37137-00008

Enclosure
PN Newspaper.dot 8/27/2015

Indiana Department of Environmental Management
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100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

July 13, 2016

To: Wheatfield Public Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: NIPSCO R.M. Schahfer Generating Station
Permit Number: 073-37137-00008

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

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. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 2/16/2016

Indiana Department of Environmental Management
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100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

Notice of Public Comment

July 13, 2016
NIPSCO R.M. Schahfer Generating Station
073-37137-00008

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 2/17/2016

Indiana Department of Environmental Management
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

July 13, 2016

A 30-day public comment period has been initiated for:

Permit Number: **073-37137-00008**
Applicant Name: **NIPSCO R.M. Schahfer Generating Station**
Location: **Wheatfield, Jasper County, Indiana**

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

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

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification.dot 2/17/2016

Mail Code 61-53

IDEM Staff	VHAUN 7/13/2016 NIPSCO - R.M. Schahfer Generating Station 073-37137-00008 DRAFT			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		Stephen Holcomb NIPSCO - R.M. Schahfer Generating Station 801 E 86th Ave Merrillville IN 46410 (Source CAATS)									
2		Anthony Sayers GM Generation NIPSCO - R.M. Schahfer Generating Station 801 86th Ave Merrillville IN 46410 *(RO CAATS)*									
3		Ms. Lana Gawronski 9296 N 900 W Demotte IN 46310 *(Affected Party)*									
4		Ms. Lorraine Frantz P.O. Box 669 Demotte IN 46310 *(Affected Party)*									
5		Steven & Vickie Stemper ATS Plumbing 974 N. 900 W. Demotte IN 46310 *(Affected Party)*									
6		David & Bonnie Stone 7571 W 100 N Demotte IN 46310 *(Affected Party)*									
7		Mr. Aaron Webster 7149 W 1000 N Demotte IN 46310 *(Affected Party)*									
8		The Echterling Residence 9180 W 950 N Demotte IN 46310 *(Affected Party)*									
9		United Steelworkers of America Subdistrict 4 113 E. Washington St. Plymouth IN 46563 *(Affected Party)*									
10		Mr. Lawrence A. Vanore Sommer & Barnard Ackerson 1 Indiana Sq Ste 3500 Indianapolis IN 46204-5198 *(Affected Party)*									
11		State Representative District 16 P.O. Box 1 Rensselaer IN 47978 *(Legislator)*									
12		Ms. Melissa Laughlin Rensselar Republican 117 N. Van Rensselaer St, P.O. Box 298 Rensselaer IN 47978 *(Affected Party)*									
13		Jasper County Commissioners 115 W. Washington Street Rensselaer IN 47978 (Local Official)									
14		Jasper County Health Department 105 W. Kellner St Rensselaer IN 47978-2623 *(Health Department)*									
15		Mr. Donald Speacht, Jr 11751 N. County Rd. 500 E. San Pierre IN 46374 *(Affected Party)*									

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

FACSIMILIE OF PS Form 3877

Mail Code 61-53

IDEM Staff	VHAUN 7/13/2016 NIPSCO - R.M. Schahfer Generating Station 073-37137-00008 DRAFT			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		The Banks Family 11846 N CR 100 E Wheatfield IN 46392 (Affected Party)									
2		Ms. Kay Asher 4036 Heritage Dr N Wheatfield IN 46392 *(Affected Party)*									
3		Ms. Maryann Desalvo 10145 N 200 E Wheatfield IN 46392 *(Affected Party)*									
4		Victor & Cleone Downing 1333 E 1225 N Wheatfield IN 46392 *(Affected Party)*									
5		Ms. Deborah Conley P.O. Box 307 Wheatfield IN 46392 *(Affected Party)*									
6		Mr. George and Joyce Gourko 2039 South 9th Street Lafayette IN 47905 *(Affected Party)*									
7		Mr. Scott Helton P.O. Box 307 Wheatfield IN 46392 *(Affected Party)*									
8		Mr. Bob Hetrick 10274 N 200 E Wheatfield IN 46392 *(Affected Party)*									
9		Ms. Monica Jones 9250 N 100 W Wheatfield IN 46392 *(Affected Party)*									
10		Joe & Betty Starewich 4096 N 400 E Wheatfield IN 46392 *(Affected Party)*									
11		Michael & Kathleen Teiron 4073 E 425 N Wheatfield IN 46392 *(Affected Party)*									
12		Robert & Barbara Witvoet 14240 N State Rd 49 Wheatfield IN 46392 *(Affected Party)*									
13		Sharon Williams 9610 N. 250 E. Wheatfield IN 46392 (Affected Party)									
14		Darlene & Scott Holmes 9161 N 900 W Demotte IN 46310 *(Affected Party)*									
15		Mr. Kenny Haun P.O. Box 280 Rensselaer IN 47978 *(Affected Party)*									

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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Mail Code 61-53

IDEM Staff	VHAUN 7/13/2016 NIPSCO - R.M. Schahfer Generating Station 073-37137-00008 DRAFT			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		Wheatfield Public Library 350 S Bierma Wheatfield IN 46392 (Library)									
2		Tom & Gail Clark 1186 E CR 1250 N Wheatfield IN 46392 *(Affected Party)*									
3		Mike & Vicki Drzik 11664 N 80 W Wheatfield IN 46392 *(Affected Party)*									
4		Ms. Sheila Estrada 466 E Robbins Wheatfield IN 46392 *(Affected Party)*									
5		Wheatfield Town Council 170 S Grace Street Wheatfield IN 46392 *(Local Official)*									
6		Tom Anderson Save the Dunes 444 Barker Rd Michigan City IN 46360 *(Affected Party)*									
7		Gurinder Saini RTP Environmental Associates, Inc. 304A West Millbrook Road Raleigh NC 27609 *(Consultant)*									
8											
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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