



# 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](http://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 Indiana Municipal Power Agency - Whitewater Valley Station in Wayne County

Significant Permit Modification No.: 177-37114-00009

The Indiana Department of Environmental Management (IDEM) has received an application from Indiana Municipal Power Agency - Whitewater Valley Station, located at, 2000 U.S 27 South, Richmond, IN 4737 for a significant modification of its Part 70 Operating Permit issued on March 11, 2014. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Indiana Municipal Power Agency - Whitewater Valley Station to make certain changes at its existing source. Indiana Municipal Power Agency - Whitewater Valley Station has applied to remove permit conditions related to SO<sub>2</sub> monitoring station and modify conditions related to operation and testing of the baghouse and the electrostatic precipitators.

This draft Part 70 Operating Permit 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:

Morrison - Reeves Library  
80 N 6th Street  
Richmond, IN 47374

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 30<sup>th</sup> 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 SPM177-37114-00009 in all correspondence.

**Comments should be sent to:**

Vasantha Palakurti  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for extension 4-9694  
Or dial directly: (317) 234-9694  
Fax: (317) 232-6749 attn: Vasantha Palakurti  
E-mail: Vpalakur@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 12<sup>th</sup> floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

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

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



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## DRAFT

Mr. Steve Brown  
Indiana Municipal Power Agency - Whitewater Valley Station  
11610 North College Avenue  
Carmel, IN 46032

Re: 177-37114-00009  
Significant Permit Modification to  
Part 70 Renewal No.: T177-33788-00009

Dear Mr. Brown:

Indiana Municipal Power Agency - Whitewater Valley Generating Station was issued a Part 70 Operating Permit Renewal No. 177-33788-00009 on March 11, 2014 for a stationary electric utility generating station located at 2000 U.S. 27 South, Richmond, IN 47374. An application requesting changes to this permit was received on April 25, 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 this attachment was provided in previously issued approvals for this source, IDEM OAQ has not included a copy of this attachment with this modification:

Attachment B: 40 CFR 63, Subpart UUUUU, 40 CFR 63, Subpart UUUUU—National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

Previously issued approvals for this source containing this attachment 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](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 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.

## DRAFT

If you have any questions on this matter, please contact Vasantha Palakurti, of my staff, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251 at 317-234-9694 or 1-800-451-6027, and ask for extension 9694.

Sincerely,

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

Attachments: Modified Permit and Technical Support Document

cc: File - Wayne County  
Wayne County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch



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## [DRAFT] Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**Indiana Municipal Power Agency -  
Whitewater Valley Generating Station  
2000 U.S. 27 South  
Richmond, Indiana 47374**

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

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

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

Operation Permit No.: T 177-33788-00009	
Issued by: /Original Signed by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: March 11, 2014  Expiration Date: March 11, 2019

Administrative Amendment No. 177-34726-00009, issued August 7, 2014  
Administrative Amendment No.: 177-34945-00009, issued October 16, 2014  
Significant Permit Modification No.: 177-35622-00009, issued August 25, 2015

Significant Permit Modification No.: 177-37114-00009	
Issued by:  Tripurari P. Sinha., Ph.D, Section Chief Permits Branch Office of Air Quality	Issuance Date:  Expiration Date: March 11, 2019



Permit Reviewer: Josiah Balogun

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**Attachment B - NESHAP 40 CFR 63, Subpart UUUUU**

40 CFR 63, Subpart UUUUU—National Emission Standards for Hazardous Air  
Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

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[DRAFT]

**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.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

---

The Permittee operates a stationary electric utility generating station.

Source Address:	2000 U.S. 27 South, Richmond, Indiana 47374
General Source Phone Number:	765-973-7215
SIC Code:	4911 (Electric Services)
County Location:	Wayne
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

The source is owned by Richmond Power & Light Company, 2000 U.S. 27 South Richmond, Indiana 47374

**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) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for control of particulate matter emissions,
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEK ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEK ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.

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## [DRAFT]

The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

- (c) Fuel and Ash Handling Systems serving the coal-fired boilers.
  - (i) Coal Storage Piles, identified as CSH002
  - (ii) Coal truck/rail Unloading Area, identified as CSH003
  - (iii) Coal Conveying/Transfer Belts, identified as CSH004
  - (iv) Flyash Loading/Unloading Area, identified as FAH005, with baghouse as control device
  - (v) Plant Access Roads, identified as PAR006
- (d) Sorbent Injection System, identified as SIS001:
  - (A) One (1) sorbent storage silo with a storage capacity of 250 tons identified as SS originally constructed in 1992 and modified for storage of sorbent in 2015. Emissions from this silo will be vented to the operations silo. The potential throughput is 4,183 tons per year.
  - (B) One (1) sorbent operations storage silo with a storage capacity of 135 tons identified as OS originally constructed in 1987 and modified for storage of sorbent in 2015. The potential throughput is 4,183 tons per year. Two (2) bin vent filters/baghouses are used for particulate control.
- (e) One (1) Activated Carbon Injection System, identified as ACIS001, consisting of one (1) storage silo with a storage capacity of 3 tons originally constructed in 1992. The potential throughput is 360.5 tons per year. A bin vent filter is used for particulate control.

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

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

- (a) Paved and unpaved roads and parking lots with public access [326 IAC 6-4].

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

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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);

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**SECTION B GENERAL CONDITIONS**

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

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

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

- (a) This permit, T 177-33788-00009, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 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.

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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. AllThe initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than 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;

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- (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) If required by specific condition(s) in Section D of this permit, 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.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. 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).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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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).

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- (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



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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 T 177-33788-00009 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)

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

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

**B.15** 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.

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[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(42). 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

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

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

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- (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.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]**

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- (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;

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(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(37)) 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).

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- (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<sub>2</sub> or NO<sub>x</sub> under 326 IAC 21 or 326 IAC 10-4.

**B.20 Source Modification Requirement [326 IAC 2-7-10.5]**

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

**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]**

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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]**

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- (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

Permit Reviewer: Josiah Balogun

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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.

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**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

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

**C.1 Opacity [326 IAC 5-1]**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (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.2 Open Burning [326 IAC 4-1] [IC 13-17-9]**

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

**C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]**

The Permittee shall not operate an incinerator 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.4 Fugitive Dust Emissions [326 IAC 6-4]**

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

**C.5 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.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]**

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

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- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.



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

#### **C.7 Performance Testing [326 IAC 3-6]**

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- (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  
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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. 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.8 Compliance Requirements [326 IAC 2-1.1-11]**

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

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- (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

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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).

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

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- (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.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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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]

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C.12 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

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

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- (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

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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 Quality Improvement Plan (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)(c) 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.

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- (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)(c) 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.14 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.15 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(33) ("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

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

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(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.

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- (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.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]  
[326 IAC 2-2][326 IAC 2-3] [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.
- On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.
- A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

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- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- (3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

- (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) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (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 (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).



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- (f) 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

- (g) 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.18 Compliance with 40 CFR 82 and 326 IAC 22-1**

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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.

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[DRAFT]

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- - an electrostatic precipitator, identified as ESP1, for control of particulate matter emissions
- - a low NOX burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEK ROFA/Rotamix, for NOX control and
- - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- - an electrostatic precipitator, identified as ESP2, for control of particulate matter emissions
- - a low NOX burner, (Low NOX Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEK ROFA/Rotamix, for NOX control, and
- - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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 Matter Limitations Except Lake County [326 IAC 6.5-10-15]

Pursuant to 326 IAC 6.5-10-15 (Wayne County),

- (a) the particulate (PM) emissions from the Coal Boiler No. 1, rated at 385 MMBTU/hour, shall not exceed 0.19 pound/MMBTU of heat input and 320 tons per year.
- (b) the particulate (PM) emissions from the Coal Boiler No. 2, rated at 730 MMBTU/hour, shall not exceed 0.22 pound/MMBTU of heat input and 700 tons per year.
- (c) the combined particulate emissions from the Coal Boiler No. 1 and Coal Boiler No. 2 shall not exceed 0.22 pound/MMBTU.

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D.1.2 Sulfur Dioxide (SO<sub>2</sub>) Limitations [326 IAC 7-4-4] [326 IAC 7-1]

- (a) Pursuant to 326 IAC 7-4-4 (Wayne County SO<sub>2</sub> Emission Limitations), the combined SO<sub>2</sub> emissions exhausting through the common stack (CS001) of Coal Boiler No. 1 and Coal Boiler No. 2 shall not exceed 6.0 pounds/MMBTU when combusting coal, based on a thirty (30) day rolling average.
- (b) Pursuant to 325 IAC 7-1, SO<sub>2</sub> emissions shall not exceed 0.5 lb/MMBtu when combusting #2 fuel oil.
- (c) Pursuant to 326 IAC 7-4-4, the common stack (CS001) exhaust of Coal Boiler 1 and Coal Boiler No. 2 shall not be less than 325 feet in height above ground.

D.1.3 Opacity - Boiler Operation [326 IAC 5-1-2(3)]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), the opacity from the Coal Boiler No. 1 and Coal Boiler No. 2 shall not exceed an average of twenty-five percent (25%) in any one (1) six (6) minute averaging period.

D.1.4 Temporary Alternative Opacity Limitation (TAOL) for Coal Boiler No. 1 [326 IAC 5-1-3(d)]

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

- (a) When building a new fire in the Coal Boiler No. 1, opacity may exceed the 25% opacity limitation:
  - (1) during cold boiler startups for a period not to exceed 8 hours, which is equivalent to 80 six-minute-average periods.  

A cold startup for boiler is defined as one in which the combustion is initiated in the boiler after it has been off-line for forty eight (48) hours or more.
  - (2) during warm boiler startups for a period not to exceed 3 hours, which is equivalent to 30 six-minute-average periods.  

A warm startup for boiler is defined as one in which the combustion is initiated in the boiler after it has been off-line for less than forty eight (48) hours.
- (b) When shutting down the Coal Boiler No. 1, opacity shall not exceed 25%.
- (c) The operation of neither the electrostatic precipitator (ESP1) nor the PAFF Baghouse is required during these times, unless its operation is necessary to comply with these limits.

D.1.5 Temporary Alternative Opacity Limitation (TAOL) for Coal Boiler No. 2 [326 IAC 5-1-3(d)]

- (a) Pursuant to 326 IAC 5-1-3(d), the Permittee shall comply with the following:
  - (1) When building a new fire in the Coal Boiler No. 2, opacity may exceed the 25% opacity limitation for a period not to exceed 4 hours, which is equivalent to 40 six-minute averaging periods.
  - (2) When shutting down the Coal Boiler No. 2, opacity may exceed 25% for a period not to exceed 0.5 hour, which is equivalent to 5 six-minute averaging periods.
- (b) Operation of neither the electrostatic precipitator (ESP2) nor the PAFF Baghouse is required during these times, unless its operation is necessary to comply with these limits.

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**D.1.6 Opacity - Ash Removal [326 IAC 5-1-3(b)]**

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Pursuant to 326 IAC 5-1-3(b), the Permittee shall comply with the following:

- (a) When removing ashes from the fuel bed or furnace in a boiler or blowing tubes, opacity may exceed 25%.
- (b) However, opacity levels shall not exceed 60% for any 6-minute averaging period.
- (c) Opacity in excess of 25% shall not continue for more than one 6-minute averaging period in any 60-minute period.
- (d) The averaging periods shall not be permitted for more than three 6-minute averaging periods in a 12-hour period.

**D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

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A Preventive Maintenance Plan (PMP) is required for these units and its control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements [326 IAC 2-7-5(1)]**

**D.1.8 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]**

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In order to ensure compliance with Condition D.1.1, the Permittee shall perform PM testing on the two (2) boilers, identified as Coal Boiler No. 1 and 2, when controlled by both the electrostatic precipitator and the PAFF baghouse utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two (2) calendar years from the date of the recent 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.

**D.1.9 Particulate Control [326 IAC 2-7-6(6)]**

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Except as otherwise provided by statute or rule or in this permit:

- (a) the electrostatic precipitator (ESP1) and the PAFF Baghouse shall be in operation and control emissions from the Coal Boiler No. 1 when the Coal Boiler No. 1 is in operation.
- (b) the electrostatic precipitator (ESP2) and the PAFF Baghouse shall be in operation and control emissions from the Coal Boiler No. 2 when the Coal Boiler No. 2 is in operation.
- (c) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

**D.1.10 Low NOx Burner [326 IAC 2-7-6(6)]**

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Except as otherwise provided by statute or rule or in this permit or during boilers start ups:

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- (a) The Coal Boiler No. 1 shall use the Low NO<sub>x</sub> Burner, (Radially Stratified Flame Core (RSFC) burners) (LNB001) for combustion when in operation.
- (b) The Coal Boiler No. 2 shall use the Low NO<sub>x</sub> Burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS), (LNB002) for combustion when in operation.

D.1.11 Maintenance of Continuous Opacity Monitoring Systems [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.
- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.
  - (1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
  - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
  - (3) Method 9 readings may be discontinued once a COMS is online.
  - (4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5 and 40 CFR 63.

D.1.12 Maintenance of Continuous Emission Monitoring Systems [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment for NO<sub>x</sub> and SO<sub>2</sub> emissions.
- (b) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

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- (c) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or is down for maintenance or repairs, the following shall be used as an alternative to continuous data collection:
  - (1) When the CEM is required for monitoring NO<sub>x</sub> or SO<sub>2</sub> emissions pursuant to 40 CFR 75 (Title IV Acid Rain program), the Permittee shall comply with the relevant requirements of 40 CFR 75 Subpart D - Missing Data Substitution Procedures.
  - (2) When the CEM is used to monitor NO<sub>x</sub> or SO<sub>2</sub> emissions for applicable requirements other than 40 CFR 75, then supplemental or intermittent monitoring of the parameter shall be implemented as specified in Section D of this permit until such time as the emission monitor system is back in operation.
- (d) Nothing in this condition, or in Section D of this permit, shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR Part 75.

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

#### **D.1.13 Standard Operating Procedure [326 IAC 3-7-5(a)]**

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Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4.

#### **D.1.14 Sulfur Dioxide (SO<sub>2</sub>) Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]**

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Whenever the SO<sub>2</sub> continuous emission monitoring system (CEMS) is malfunctioning or down for repairs or adjustments, the following shall be used to provide information related to SO<sub>2</sub> emissions:

- (a) If the CEMS is down for less than twenty-four (24) hours, the Permittee shall substitute an average of the quality-assured data from the hour immediately before and the hour immediately after the missing data period for each hour of missing data.
- (b) If the CEMS is down for twenty-four (24) hours or more, fuel sampling shall be conducted as specified in 326 IAC 3-7-2(b). Fuel sample preparation and analysis shall be conducted as specified in 326 IAC 3-7-2(c), 326 IAC 3-7-2(d), and 326 IAC 3-7-2(e). Pursuant to 326 IAC 3-7-3, manual or other non-ASTM automatic sampling and analysis procedures may be used upon a demonstration, submitted to the department for approval that such procedures provide sulfur dioxide emission estimates representative either of estimates based on coal sampling and analysis procedures specified in 326 IAC 3-7-2 or of continuous emissions monitoring.

#### **D.1.15 NO<sub>x</sub> Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)][40 CFR 64]**

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Whenever the NO<sub>x</sub> continuous emission monitoring system is malfunctioning or down for repairs or adjustments, the following method shall be used to provide information related to NO<sub>x</sub> emissions:

If the CEMS is down, 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.

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[DRAFT]

D.1.16 Reserved

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D.1.17 Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

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- (a) The ability of the ESP to control particulate emissions shall be monitored once per day, while one or more of the boilers 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 whenever the percentage of T-R sets in service falls below fifty percent (50%). T-R set failure resulting in less than fifty percent (50%) 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.

D.1.18 PAFF Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

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- (a) The Permittee shall record on any day when either boiler operates the pressure drop across the PAFF Baghouse used in conjunction with one or more of the boilers at least once -per day. When for any one reading the pressure drop across the PAFF Baghouse is outside the normal range of 2.0 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined 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. Failure to take response steps shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure drop 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.1.19 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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- (a) For a single compartment baghouse controlling emissions from a process operated continuously, upon detection of a broken or failed bag, the Permittee must shut down the failed unit and the associated process 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).
- (b) For a single compartment baghouse controlling emissions from a batch process, upon detection of a broken or failed bag, the Permittee must shut down the feed to the process until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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).

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

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

**D.1.20 Record Keeping Requirement**

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- (a) To document the compliance status with Conditions D.1.1, D.1.2, D.1.3, D.1.4, D.1.5, D1.6 and D.1.11, the Permittee shall maintain complete and sufficient records to establish compliance with the limits in accordance with (1) through (4) below.
- (1) Data and results from the most recent stack test.
  - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5 and 40 CFR 60.40 (Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971).
  - (3) The results of all Method 9 visible emission readings taken during any periods of COMS downtime.
  - (4) All ESP and baghouse required parametric monitoring readings.
- (b) To document the compliance status with Conditions D.1.1, D.1.2., D.1.3, D.1.4 and D.1.5, the Permittee shall maintain records in accordance with (1) below. Records shall be complete and sufficient to establish compliance with the SO<sub>2</sub> limits as required in Conditions D.1.2 and D.1.14.
- (1) All SO<sub>2</sub> continuous emissions monitoring data, pursuant to 326 IAC 7-2-1(g) and 40 CFR 60.40 (Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971), with calendar dates and beginning and ending times of any CEM downtime.
- (c) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.
- (d) To document the compliance status with Condition D.1.12 - Maintenance of Continuous Emission Monitoring Systems, the Permittee shall record the output of the continuous monitoring systems and shall perform the required record keeping and reporting, pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7.
- (e) To document the compliance status with Condition D.1.19 – PAFF – Baghouse Parametric Monitoring, the Permittee shall maintain records of the daily pressure drop readings of the PAFF baghouse. 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, (i.e. neither unit was running that day).
- (f) To document the compliance status with Condition D.1.2 during SO<sub>2</sub> CEMS downtime, the Permittee shall keep records of all fuel sampling and analysis data, pursuant to 326 IAC 7-2, and data collected in accordance with Condition D.1.14 (b)
- (g) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.



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D.1.21 Reporting Requirement [326 IAC 7-2-1(d)(2)]

- (a) A quarterly report of opacity exceedances to document compliance with Condition D.1.16 shall be submitted not later than thirty (30) days following the end of each calendar quarter. 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.
  
- (b) Pursuant to 326 IAC 3-5-7(c)(4) and in order to comply with 326 IAC 7-2-1(d)(2), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, 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.
  
- (c) The reports 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.

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## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (c) Fuel and Ash Handling Systems serving the coal-fired boilers.
  - (i) Coal Storage Piles, identified as CSH002
  - (ii) Coal truck/rail Unloading Area, identified as CSH003
  - (iii) Coal Conveying/Transfer Belts, identified as CSH004
  - (iv) Flyash Loading/Unloading Area, identified as FAH005, with baghouse as control
  - (v) Plant Access Roads, identified as PAR006
  
- (d) Sorbent Injection System, identified as SIS001:
  - (A) One (1) sorbent storage silo with a storage capacity of 250 tons identified as SS originally constructed in 1992 and modified for storage of sorbent in 2015. Emissions from this silo will be vented to the operations silo. The potential throughput is 4,183 tons per year.
  
  - (B) One (1) sorbent operations storage silo with a storage capacity of 135 tons identified as OS originally constructed in 1987 and modified for storage of sorbent in 2015. The potential throughput is 4,183 tons per year. Two (2) bin vent filters/baghouses are used for particulate control.
  
- (e) One (1) Activated Carbon Injection System, identified as ACIS001, consisting of one (1) storage silo with a storage capacity of 3 tons originally constructed in 1992. The potential throughput is 360.5 tons per year. A bin vent filter is used for particulate control.

(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 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]

- (a) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the PM emissions from the fuel and ash handling systems shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf).
  
- (b) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the allowable particulate emissions from the two (2) Sorbent Injection System, identified as SIS001 shall not exceed 0.03 gr/dscf, each.
  
- (c) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the allowable Particulate emissions from the Activated Carbon Injection System, identified as ACIS001 shall not exceed 0.03 gr/dscf.

#### D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for these units and its control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

### Compliance Determination Requirements

#### D.2.3 Particulate Control [326 IAC 2-7-6(6)]

- (a) In order to comply with D.2.1, the baghouse for particulate control shall be in operation

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and control emissions from the dry fly ash handling system at all times that the dry fly ash handling system is in operation

- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

##### D.2.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of any coal handling unloading and transfer points shall be performed once per week during normal daylight operations when handling coal. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of any flyash handling exhaust point shall be performed once per week during normal daylight operations when handling ash. A trained employee shall record whether emissions are normal or abnormal.
- (c) Visible emission notations of the flyash storage and handling baghouse shall be performed once per day during normal daylight operations when in use. A trained employee shall record whether emissions are normal or abnormal
- (d) If abnormal emissions are observed at an unloading or transfer point, the Permittee shall take reasonable response steps. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (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.2.5 Reserved

##### D.2.6 Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) In the event that a broken or failed bag occurs in a single compartment baghouse controlling emissions from a process operated continuously, the associated process shall be shut down immediately until the failed bag 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).

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- (b) In the event that a broken or failed bag occurs in a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed bag has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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).

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

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

### **D.2.7 Record Keeping Requirement**

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- (a) To document the compliance status with Condition D.2.4 (a) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of the coal handling unloading and transfer points. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that week).
- (b) To document the compliance status with Condition D.2.4 (b) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of any fly ash handling exhaust point. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that week).
- (c) To document the compliance status with Condition D.2.4 (b), the Permittee shall maintain a weekly record of visible emission notations of the fly ash storage pond. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate).
- (d) To document the compliance status with Condition D.2.4 (c) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of the flyash handling baghouse. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate).
- (e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

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[DRAFT]

**SECTION E.1**

**TITLE IV CONDITIONS**

**Emissions Unit Description:**

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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 incorporated by reference into this permit.

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

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

- (a) No revision of this permit shall be required for increases in emissions that are authorized

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**[DRAFT]**

by allowances acquired under Title IV Acid Rain Program, provided that such increases do not require a permit revision under any other applicable requirement.

- (b) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not use allowances as a defense to noncompliance with any other applicable requirement.
- (c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

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## SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for startup.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for startup.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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 [40 CFR 63, Subpart UUUUU]

#### E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [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, for the above listed units, as specified in 40 CFR 63, Subpart UUUUU, in accordance with the schedule in 40 CFR Part 63, Subpart UUUUU.
- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports

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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 National Emission Standard for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units [40 CFR Part 63, Subpart UUUUU]**

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Pursuant to 40 CFR Part 63, Subpart UUUUU, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants from Coal- and Oil-Fired Electric Utility Steam Generating Units (included as Attachment B to this permit), for the two (2) boilers, identified as Coal Boiler No 1 and 2.

1. 40 CFR 63.9981
2. 40 CFR 63.9982(a)(1), (d)
3. 40 CFR 63.9984(b), (c), (f)
4. 40 CFR 63.9990(a)
5. 40 CFR 63.9991(a), (b)
6. 40 CFR 63.10000
7. 40 CFR 63.10001
8. 40 CFR 63.10005(a), (b), (c), (d)(3), (e), (j), (k)
9. 40 CFR 63.10006
10. 40 CFR 63.10007(a)(1), (b) (d), (e), (f), (g)
11. 40 CFR 63.10010(a)(1)
12. 40 CFR 63.10011(a), (c)(1), (e), (f), (g)
13. 40 CFR 63.10020
14. 40 CFR 63.10021
15. 40 CFR 63.10030(a), (b), (d), (e)
16. 40 CFR 63.10031
17. 40 CFR 63.10032(a)-(i)
18. 40 CFR 63.10033
19. 40 CFR 63.10040
20. 40 CFR 63.10041
21. 40 CFR 63.10042

**E.2.3 ORDER of the Commissioner of the Indiana Department of Environmental Management**

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Pursuant to Indiana Code § 13-14-2-6 and in order to secure compliance with 40 CFR Part 63, Subpart UUUUU, Indiana Municipal Power Agency, Whitewater Valley Generating Station is subject to following ORDER:

1. Indiana Municipal Power Agency shall submit a status report within fifteen (15) days of completion of the following milestones indicating the actual dates of completion:
  - a. The date on-site construction for the installation of the emission control equipment identified in Attachment A for Whitewater Valley Generating Station Coal Boiler Nos 1 and 2 are initiated, and
  - b. The date on-site construction for the installation of the emission control equipment identified in Attachment A for Whitewater Valley Generating Station Coal Boiler Nos 1 and 2 are completed.
  - c. The date by which final compliance with 40 CFR 63, Subpart UUUUU for Whitewater



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Valley Generating Station Coal Boilers Nos 1 and 2 are achieved.

2. Indiana Municipal Power Agency, Whitewater Valley Generating Station Coal Boiler Nos 1 and 2 are shall comply with the standards set forth in 40 CFR Part 63, Subpart UUUUU no later than April 16, 2016.

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**SECTION FClean 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: 1040

**Emissions Unit Description:**

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

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

F.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.

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F.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)]

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- (a) The owners and operators of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit shall operate each source and unit in compliance with this CAIR permit.
- (b) The CAIR NO<sub>x</sub> unit(s), CAIR SO<sub>2</sub> unit(s), and CAIR NO<sub>x</sub> ozone season unit(s) subject to this CAIR permit are Coal Boiler No. 1 and Coal Boiler No. 2.

F.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)]

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- (a) The owners and operators, and the CAIR designated representative, of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> 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<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source with the CAIR NO<sub>x</sub> emissions limitation under 326 IAC 24-1-4(c), CAIR SO<sub>2</sub> emissions limitation under 326 IAC 24-2-4(c), and CAIR NO<sub>x</sub> 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.

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

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- (a) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> 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<sub>x</sub> units at the source, as determined in accordance with 326 IAC 24-1-11.
- (b) A CAIR NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> allowance was allocated.
- (d) CAIR NO<sub>x</sub> allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> 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<sub>x</sub> allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> annual trading program. No provision of the CAIR NO<sub>x</sub> 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<sub>x</sub> allowance does not constitute a property right.

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- (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<sub>x</sub> allowance to or from a CAIR NO<sub>x</sub> source's compliance account is incorporated automatically in this CAIR permit.

F.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<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO<sub>2</sub> 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<sub>2</sub> units at the source, as determined in accordance with 326 IAC 24-2-10.
- (b) A CAIR SO<sub>2</sub> 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<sub>2</sub> 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<sub>2</sub> allowance was allocated.
- (d) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> 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<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> trading program. No provision of the CAIR SO<sub>2</sub> 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<sub>2</sub> 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<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> source's compliance account is incorporated automatically in this CAIR permit.

F.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<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> ozone season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> 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<sub>x</sub> ozone season units at the source, as determined in accordance with 326 IAC 24-3-11.
- (b) A CAIR NO<sub>x</sub> 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.

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- (c) A CAIR NO<sub>x</sub> 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<sub>x</sub> ozone season allowance was allocated.
- (d) CAIR NO<sub>x</sub> ozone season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> 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<sub>x</sub> ozone season allowance is a limited authorization to emit one (1) ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> ozone season trading program. No provision of the CAIR NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> ozone season allowance to or from a CAIR NO<sub>x</sub> ozone season source's compliance account is incorporated automatically in this CAIR permit.

F.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)]

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- (a) The owners and operators of a CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit that emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> emissions limitation shall do the following:
  - (1) Surrender the CAIR NO<sub>x</sub> 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<sub>2</sub> source and each CAIR SO<sub>2</sub> unit that emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation shall do the following:
  - (1) Surrender the CAIR SO<sub>2</sub> 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<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> ozone season unit that emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> ozone season emissions limitation shall do the following:

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- (1) Surrender the CAIR NO<sub>x</sub> 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.

F.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)]

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Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> 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<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> 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<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program.
- (d) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> 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.

F.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)]

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- (a) The CAIR designated representative of the CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit at the source shall submit the reports required under the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program, including those under 326 IAC 24-1-11, 326 IAC 24-2-10, and 326 IAC 24-3-11.

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(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<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> 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

F.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)]

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The owners and operators of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit shall be liable as follows:

- (a) Each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit shall meet the requirements of the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program, respectively.
- (b) Any provision of the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program that applies to a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source or the CAIR designated representative of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source shall also apply to the owners and operators of such source and of the CAIR NO<sub>x</sub> units, CAIR SO<sub>2</sub> units, and CAIR NO<sub>x</sub> ozone season units at the source.

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- (c) Any provision of the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program that applies to a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit or the CAIR designated representative of a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> ozone season unit shall also apply to the owners and operators of such unit.

F.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)]

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No provision of the CAIR NO<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> 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<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source or CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> 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).

F.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]

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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<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source, including all CAIR NO<sub>x</sub> units, CAIR SO<sub>2</sub> units, and CAIR NO<sub>x</sub> 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<sub>x</sub> annual trading program, CAIR SO<sub>2</sub> trading program, and CAIR NO<sub>x</sub> ozone season trading program concerning the source or any CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> 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<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> ozone season source choose to designate an alternate CAIR designated representative.

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



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**SECTION G TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program Requirements (40 CFR 97.406), (40 CFR 97.506), (40 CFR 97.606)**

ORIS Code: 6137

Transport Rule (TR):

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for control of particulate matter emissions
- a low NOX burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTECH ROFA/Rotamix, for NOX control and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP1 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for control of particulate matter emissions
- a low NOX burner, (Low NOX Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTECH ROFA/Rotamix, for NOX control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions. The ESP2 is vented to Pulse air fabric filter (PAFF).

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

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

**G.1 Designated representative requirements**

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with the following:

- (1) 40 CFR 97.413 through 97.418;
- (2) 40 CFR 97.513 through 97.518; and
- (3) 40 CFR 97.613 through 97.618.

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## G.2 Emissions monitoring, reporting, and recordkeeping requirements

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- (1) The owners and operators, and the designated representative, of each TR NO<sub>x</sub> Annual source, TR NO<sub>x</sub> Ozone Season source, and TR SO<sub>2</sub> Group 1 source, and each TR NO<sub>x</sub> Annual unit at the source, TR NO<sub>x</sub> Ozone Season unit at the source, and TR SO<sub>2</sub> Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430, 40 CFR 97.530, and 40 CFR 97.630 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.431, 97.531, and 97.631 (initial monitoring system certification and recertification procedures), 97.432, 97.532, and 97.632 (monitoring system out-of-control periods), 97.433, 97.533, and 97.633 (notifications concerning monitoring), 97.434, 97.534, and 97.634 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.435, 97.535, and 97.635 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).
- (2) The emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of TR NO<sub>x</sub> Annual allowances under 40 CFR 97.411(a)(2) and (b) and 97.412 and to determine compliance with the TR NO<sub>x</sub> Annual emissions limitation and assurance provisions under Condition G.3 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.
- (3) The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NO<sub>x</sub> Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine compliance with the TR NO<sub>x</sub> Ozone Season emissions limitation and assurance provisions under Condition G.4 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.
- (4) The emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of TR SO<sub>2</sub> Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 97.612 and to determine compliance with the TR SO<sub>2</sub> Group 1 emissions limitation and assurance provisions under Condition G.5 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

## G.3 NO<sub>x</sub> annual emissions requirements

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- (1) TR NO<sub>x</sub> Annual emissions limitation.
  - (i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit at the source shall hold, in the source's compliance account, TR NO<sub>x</sub> Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Annual units at the source.

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- (ii). If total NO<sub>x</sub> emissions during a control period in a given year from the TR NO<sub>x</sub> Annual units at a TR NO<sub>x</sub> Annual source are in excess of the TR NO<sub>x</sub> Annual emissions limitation set forth in Condition G.3(1)(i) above, then:
  - (A). The owners and operators of the source and each TR NO<sub>x</sub> Annual unit at the source shall hold the TR NO<sub>x</sub> Annual allowances required for deduction under 40 CFR 97.424(d); and
  - (B). The owners and operators of the source and each TR NO<sub>x</sub> Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.
- (2) TR NO<sub>x</sub> Annual assurance provisions.
  - (i). If total NO<sub>x</sub> emissions during a control period in a given year from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO<sub>x</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO<sub>x</sub> Annual allowances available for deduction for such control period under 40 CFR 97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.425(b), of multiplying— (A) The quotient of the amount by which the common designated representative's share of such NO<sub>x</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO<sub>x</sub> emissions exceeds the respective common designated representative's assurance level; and (B) The amount by which total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state for such control period exceed the state assurance level.
  - (ii). The owners and operators shall hold the TR NO<sub>x</sub> Annual allowances required under Condition G.3(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.
  - (iii). Total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the State during a control period in a given year exceed the state assurance level if such total NO<sub>x</sub> emissions exceed the sum, for such control period, of the state NO<sub>x</sub> Annual trading budget under 40 CFR 97.410(a) and the state's variability limit under 40 CFR 97.410(b).
  - (iv). It shall not be a violation of 40 CFR part 97, subpart AAAAA or of the Clean Air Act if total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the State during a control period exceed the state assurance level or if

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a common designated representative's share of total NO<sub>x</sub> emissions from the TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state during a control period exceeds the common designated representative's assurance level.

- (v). To the extent the owners and operators fail to hold TR NO<sub>x</sub> Annual allowances for a control period in a given year in accordance with Conditions G.3(2)(i) through (iii) above,
  - (A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and
  - (B). Each TR NO<sub>x</sub> Annual allowance that the owners and operators fail to hold for such control period in accordance with Conditions G.3(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.
- (3) Compliance periods.
  - (i). A TR NO<sub>x</sub> Annual unit shall be subject to the requirements under Condition G.3(1) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.
  - (ii). A TR NO<sub>x</sub> Annual unit shall be subject to the requirements under Condition G.3(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.
- (4) Vintage of allowances held for compliance.
  - (i). A TR NO<sub>x</sub> Annual allowance held for compliance with the requirements under Condition G.3(1)(i) above for a control period in a given year must be a TR NO<sub>x</sub> Annual allowance that was allocated for such control period or a control period in a prior year.
  - (ii). A TR NO<sub>x</sub> Annual allowance held for compliance with the requirements under Condition G.3(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NO<sub>x</sub> Annual allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.
- (5) Allowance Management System requirements. Each TR NO<sub>x</sub> Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart AAAAA.
- (6) Limited authorization. A TR NO<sub>x</sub> Annual allowance is a limited authorization to emit one ton of NO<sub>x</sub> during the control period in one year. Such authorization is limited in its use and duration as follows:
  - (i). Such authorization shall only be used in accordance with the TR NO<sub>x</sub> Annual Trading Program; and
  - (ii). Notwithstanding any other provision of 40 CFR part 97, the Administrator has the authority to terminate or limit the use and duration of such authorization to the

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extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

- (7) Property right. A TR NO<sub>x</sub> Annual allowance does not constitute a property right.

#### G.4 NO<sub>x</sub> ozone season requirements

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- (1) TR NO<sub>x</sub> Ozone Season emissions limitation.

- (i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Ozone Season units at the source.
- (ii). If total NO<sub>x</sub> emissions during a control period in a given year from the TR NO<sub>x</sub> Ozone Season units at a TR NO<sub>x</sub> Ozone Season source are in excess of the TR NO<sub>x</sub> Ozone Season emissions limitation set forth in Condition G.4(1)(i) above, then:
- (A). The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold the TR NO<sub>x</sub> Ozone Season allowances required for deduction under 40 CFR 97.524(d); and
- (B). The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBB and the Clean Air Act.

- (2) TR NO<sub>x</sub> Ozone Season assurance provisions.

- (i). If total NO<sub>x</sub> emissions during a control period in a given year from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO<sub>x</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying—
- (A). The quotient of the amount by which the common designated representative's share of such NO<sub>x</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO<sub>x</sub> emissions

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exceeds the respective common designated representative's assurance level; and

- (B). The amount by which total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state for such control period exceed the state assurance level.
  - (ii). The owners and operators shall hold the TR NO<sub>x</sub> Ozone Season allowances required under Condition G.4(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.
  - (iii). Total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period in a given year exceed the state assurance level if such total NO<sub>x</sub> emissions exceed the sum, for such control period, of the State NO<sub>x</sub> Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).
  - (iv). It shall not be a violation of 40 CFR part 97, subpart BBBBBB or of the Clean Air Act if total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO<sub>x</sub> emissions from the TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period exceeds the common designated representative's assurance level.
  - (v). To the extent the owners and operators fail to hold TR NO<sub>x</sub> Ozone Season allowances for a control period in a given year in accordance with Conditions G.4(2)(i) through (iii) above,
    - (A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and
    - (B). Each TR NO<sub>x</sub> Ozone Season allowance that the owners and operators fail to hold for such control period in accordance with Conditions G.4(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBBB and the Clean Air Act.
- (3) Compliance Periods.
- (i). A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under Condition G.4(1) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certificate requirements under 40 CFR 97.530(b) and for each control period thereafter.
  - (ii). A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under Condition G.4(2) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.
- (4) Vintage of allowances held for compliance.

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- (i). A TR NOx Ozone Season allowance held for compliance with the requirements under Condition G.4(1)(i) above for a control period in a given year must be a TR NOx Ozone Season Allowance that was allocated for such control period or a control period in a prior year.
  - (ii). A TR NOx Ozone Season allowance held for compliance with the requirements under Conditions G.4(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NOx Ozone Season allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.
- (5) Allowances Management System Requirements.
- (i). Each TR NOx Ozone Season allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart BBBBB.
- (6) Limited Authorization.
- (i). A TR NOx Ozone Season allowance is a limited authorization to emit one ton of NOx during the control period in one year. Such authorization is limited in its use and duration as follows:
    - (A). Such authorization shall only be used in accordance with the TR NOx Ozone Season Trading Program; and
    - (B). Notwithstanding any other provision of 40 CFR Part 97, Subpart BBBBB, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.
- (7) Property Right.
- (i). A TR NOx Ozone Season allowance does not constitute a property right.

**G.5 SO<sub>2</sub> emissions requirements**

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- (1) TR SO<sub>2</sub> Group 1 emissions limitation.
- (i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall hold, in the source's compliance account, TR SO<sub>2</sub> Group 1 allowances available for deduction for such control period under 40 CFR 97.624(a) in an amount not less than the tons of total SO<sub>2</sub> emissions for such control period from all TR SO<sub>2</sub> Group 1 units at the source.
  - (ii). If total SO<sub>2</sub> emissions during a control period in a given year from the TR SO<sub>2</sub> Group 1 units at a TR SO<sub>2</sub> Group 1 source are in excess of the TR SO<sub>2</sub> Group 1 emissions limitation set forth in Condition G.5(1)(i) above, then:
    - (A). The owners and operators of the source and each TR SO<sub>2</sub> Group 1 unit at the source shall hold the TR SO<sub>2</sub> Group 1 allowances required for deduction under 40 CFR 97.624(d); and

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- (B). The owners and operators of the source and each TR SO<sub>2</sub> Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(2) TR SO<sub>2</sub> Group 1 assurance provisions

- (i). If total SO<sub>2</sub> emissions during a control period in a given year from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such SO<sub>2</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR SO<sub>2</sub> Group 1 allowances available for deduction for such control period under 40 CFR 97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.625(b), of multiplying—
  - (A). The quotient of the amount by which the common designated representative's share of such SO<sub>2</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such SO<sub>2</sub> emissions exceeds the respective common designated representative's assurance level; and
  - (B). The amount by which total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state for such control period exceed the state assurance level.
- (ii). The owners and operators shall hold the TR SO<sub>2</sub> Group 1 allowances required under Condition G.5(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.
- (iii). Total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period in a given year exceed the state assurance level if such total SO<sub>2</sub> emissions exceed the sum, for such control period, of the state SO<sub>2</sub> Group 1 trading budget under 40 CFR 97.610(a) and the state's variability limit under 40 CFR 97.610(b).
- (iv). It shall not be a violation of 40 CFR part 97, subpart CCCCC or of the Clean Air Act if total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total SO<sub>2</sub> emissions from the TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period exceeds the common designated representative's assurance level.



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- (v). To the extent the owners and operators fail to hold TR SO<sub>2</sub> Group 1 allowances for a control period in a given year in accordance with Conditions G.5(2)(i) through (iii) above,
  - (A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and
  - (B). Each TR SO<sub>2</sub> Group 1 allowance that the owners and operators fail to hold for such control period in accordance with Conditions G.5(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart CCCCC and the Clean Air Act.
- (3) Compliance periods.
  - (i). A TR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under Condition G.5(1) above for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.
  - (ii). A TR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under Condition G.5(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.
- (4) Vintage of allowances held for compliance.
  - (i). A TR SO<sub>2</sub> Group 1 allowance held for compliance with the requirements under Condition G.5(1)(i) above for a control period in a given year must be a TR SO<sub>2</sub> Group 1 allowance that was allocated for such control period or a control period in a prior year.
  - (ii). A TR SO<sub>2</sub> Group 1 allowance held for compliance with the requirements under Condition G.5(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR SO<sub>2</sub> Group 1 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.
- (5) Allowance Management System requirements. Each TR SO<sub>2</sub> Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart CCCCC.
- (6) Limited authorization. A TR SO<sub>2</sub> Group 1 allowance is a limited authorization to emit one ton of SO<sub>2</sub> during the control period in one year. Such authorization is limited in its use and duration as follows:
  - (i). Such authorization shall only be used in accordance with the TR SO<sub>2</sub> Group 1 Trading Program; and
  - (ii). Notwithstanding any other provision of 40 CFR part 97, subpart CCCCC, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

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- (7) Property right. A TR SO<sub>2</sub> Group 1 allowance does not constitute a property right.

#### G.6 Title V Permit Revision Requirements

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- (1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NO<sub>x</sub> Annual allowances in accordance with 40 CFR part 97, subpart AAAAA, TR NO<sub>x</sub> Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB, and TR SO<sub>2</sub> Group 1 allowances in accordance with 40 CFR part 97, subpart CCCCC.
- (2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.430 through 97.435, 40 CFR 97.530 through 97.535, and 40 CFR 97.630 through 97.635, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.406(d)(2), 40 CFR 97.506(d)(2), and 40 CFR 97.606(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

#### G.7 Additional recordkeeping and reporting requirements

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- (1) Unless otherwise provided, the owners and operators of each TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.
- (i). The certificate of representation under 40 CFR 97.416, 40 CFR 97.516, and 40 CFR 97.616 for the designated representative for the source and each TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.416, 40 CFR 97.516, and 40 CFR 97.616 changing the designated representative.
- (ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart AAAAA, 40 CFR part 97, subpart BBBBB, and 40 CFR part 97, subpart CCCCC.
- (iii). Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program.
- (2) The designated representative of a TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit, a TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit, and a TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall make all submissions required under the TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program, except as provided in 40 CFR 97.418, 40 CFR 97.518, and 40 CFR 97.618. This requirement does not change,

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create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

**G.8 Liability**

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- (1) Any provision of the TR NO<sub>x</sub> Annual Trading Program that applies to a TR NO<sub>x</sub> Annual source or the designated representative of a TR NO<sub>x</sub> Annual source shall also apply to the owners and operators of such source and of the TR NO<sub>x</sub> Annual units at the source.
- (2) Any provision of the TR NO<sub>x</sub> Annual Trading Program that applies to a TR NO<sub>x</sub> Annual unit or the designated representative of a TR NO<sub>x</sub> Annual unit shall also apply to the owners and operators of such unit.
- (3) Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season source or the designated representative of a TR NO<sub>x</sub> Ozone Season source shall also apply to the owners and operators of such source and of the TR NO<sub>x</sub> Ozone Season units at the source.
- (4) Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season unit or the designated representative of a TR NO<sub>x</sub> Ozone Season unit shall also apply to the owners and operators of such unit.
- (5) Any provision of the TR SO<sub>2</sub> Group 1 Trading Program that applies to a TR SO<sub>2</sub> Group 1 source or the designated representative of a TR SO<sub>2</sub> Group 1 source shall also apply to the owners and operators of such source and of the TR SO<sub>2</sub> Group 1 units at the source.
- (6) Any provision of the TR SO<sub>2</sub> Group 1 Trading Program that applies to a TR SO<sub>2</sub> Group 1 unit or the designated representative of a TR SO<sub>2</sub> Group 1 unit shall also apply to the owners and operators of such unit.

**G.9 Effect on other authorities**

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No provision of the TR NO<sub>x</sub> Annual Trading Program or exemption under 40 CFR 97.405, TR NO<sub>x</sub> Ozone Season Trading Program or exemption under 40 CFR 97.505, and TR SO<sub>2</sub> Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NO<sub>x</sub> Annual source or TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season source or TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 source or TR SO<sub>2</sub> Group 1 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Indiana Municipal Power Agency - Whitewater Valley Generating Station  
Source Address: 2000 U.S. 27 South, Richmond, Indiana 47374  
Part 70 Permit No.: T 177-33788-00009

**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:

Permit Reviewer: Josiah Balogun

[DRAFT]

**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: Indiana Municipal Power Agency - Whitewater Valley Generating Station  
Source Address: 2000 U.S. 27 South, Richmond, Indiana 47374  
Part 70 Permit No.: T 177-33788-00009

**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) daytime 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:

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

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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 <sub>2</sub> , VOC, NO <sub>x</sub> , 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: \_\_\_\_\_

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**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: Indiana Municipal Power Agency - Whitewater Valley Generating Station  
Source Address: 2000 U.S. 27 South, Richmond, Indiana 47374  
Part 70 Permit No.: T 177-33788-00009

**Months:** \_\_\_\_\_ **to** \_\_\_\_\_ **Year:** \_\_\_\_\_

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<p>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".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

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**

<b>Source Name:</b>	<b>Indiana Municipal Power Agency-WWVS</b>
<b>Source Location:</b>	<b>2000 U.S. 27 South, Richmond, IN 47374</b>
<b>County:</b>	<b>Wayne</b>
<b>SIC Code:</b>	<b>4911 (Electric Services)</b>
<b>Operation Permit No.:</b>	<b>T177-33788-00009</b>
<b>Operation Permit Issuance Date:</b>	<b>March 11, 2014</b>
<b>Significant Permit Modification No.:</b>	<b>177-37114-00009</b>
<b>Permit Reviewer:</b>	<b>Vasantha Palakurti</b>

**Existing Approvals**

The source was issued Part 70 Operating Permit No. 177-33788-00009 on March 11, 2014. The source has since received the following approvals:

- (a) Administrative Amendment No.: 177-34726-00009, issued on August 7, 2014;
- (b) Administrative Amendment No.: 177-34945-00009, issued on October 16, 2014; and
- (c) Significant Permit Modification No.: 177-35622-00009, issued August 25, 2015.

**County Attainment Status**

The source is located in Wayne County.

Pollutant	Designation
SO2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O3	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. <sup>1</sup>
PM2.5	Unclassifiable or attainment effective April 5, 2005, for the annual PM2.5 standard.
PM2.5	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM2.5 standard.
PM10	Unclassifiable effective November 15, 1990.
NO2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
<sup>1</sup> 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<sub>x</sub>) 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<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Wayne County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM<sub>2.5</sub>**  
Wayne County has been classified as attainment for PM<sub>2.5</sub>. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and

NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (c) Other Criteria Pollutants  
 Wayne 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.

### Fugitive Emissions

Since this source is classified as a fossil fuel fired steam electric plant of more than two hundred fifty million (250,000,000) British thermal units per hour heat input, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at [http://www.supremecourt.gov/opinions/13pdf/12-1146\\_4g18.pdf](http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf)) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Source Status - Existing Source

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

Process/ Emission Unit	Source-Wide Emissions Before Modification (ton/year)								
	PM	PM <sub>10</sub> <sup>+</sup>	PM <sub>2.5</sub> <sup>**</sup> +	SO <sub>2</sub>	VOC	CO	NOx	Total HAPs	Worst Single HAP
Coal Boiler No.1	320	320*	320**	9928	4.75	39.6	776	107	> 10
Coal Boiler No.2	700	700*	700**	18824	9	75	1279	204	> 10
Fly Ash Handling	21	21*	21**	0	0	0	0	0	0
Limestone Handling	0.27	0.13	0.02	0	0	0	0	0	0
Storage Piles	0.053	0.025*	0.025**	0	0	0	0	0	0
Storage Silos	24	24*	24**	0	0	0	0	0	0
Paved Roads	19	3.8	3.8	0	0	0	0	0	0

Process/ Emission Unit	Source-Wide Emissions Before Modification (ton/year)								
	PM	PM <sub>10</sub> <sup>+</sup>	PM <sub>2.5</sub> <sup>**</sup> +	SO <sub>2</sub>	VOC	CO	NOx	Total HAPs	Worst Single HAP
Emerg. Gen	0.15	0.15	0.15	0.14	0.18	0.47	2.18	0.002	negl
<b>Total PTE of Entire Source+</b>	<b>1085</b>	<b>1069</b>	<b>1069</b>	<b>28752</b>	<b>14</b>	<b>115</b>	<b>2057</b>	<b>&gt; 25</b>	<b>&gt; 10</b>
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	100	100	100	100	100	100	100	NA	NA
negl. = negligible *+Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a regulated air pollutant". **+PM <sub>2.5</sub> listed is direct PM <sub>2.5</sub> . "***": These emissions were assumed to be equal to PM emissions even though PM10 emissions are lower. "****": These emissions were assumed to be equal to PM10 emissions even though PM2.5 emissions are lower. "+": Based on historic emission statements, actual emissions of PM, PM10, PM2.5, CO, VOCs, NOx, SO2, and HAPs are very significantly lower than the emissions in this table.									

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because PSD regulated pollutants, PM, PM10, PM2.5, SO2, NOX, CO, are emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are equal to or greater than ten (10) tons per year for a single HAP and equal to or greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).
- (c) These emissions are based upon Part 70 Operating Permit Renewal T177-33788-00009, issued on March 11, 2014.

**Description of Proposed Modification**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Indiana Municipal Power Agency-Whitewater Valley Station on March 22, 2016 related to the following:

- (a) remove permit conditions related to SO2 monitoring station at the School Kitchen location at 1321 South 9th Street, Richmond, IN since IDEM had approved the discontinuation of this station on January 5, 2016.
- (b) modify the emission control requirements for the Coal Boiler No. 1 such that both controls, Pulse air fabric filter (PAFF) and baghouse and ESP1, will be in operation and control emissions when the Coal Boiler No. 1 is in operation.
- (c) modify the emission control requirements for the Coal Boiler No. 2 such that both controls, Pulse air fabric filter (PAFF) and baghouse and ESP2, will be in operation and control emissions when the Coal Boiler No. 2 is in operation.

The existing permit requires to operate either the baghouse or ESP1 for these boilers. The new Mercury and Air Toxics Standards (MATS) require the source to operate baghouse on the boilers. The source has

requested IDEM to modify permit conditions such that baghouse and ESP, both controls, are required to be in operation while these boilers are in operation.

### **Enforcement Issues**

There are no pending enforcement actions related to this modification.

### **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.

Pursuant to 326 IAC 2-7-12(d)(1), these changes will be incorporated into the permit as a Significant Permit Modification because this modification involves significant changes to existing monitoring, reporting, or record keeping requirements.

### **Permit Level Determination – PSD**

- (a) This modification to an existing major PSD stationary source is not major because there is no emissions increase of any PSD regulated pollutant. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

### **Federal Rule Applicability Determination**

Due to the modification at this source, federal rule applicability has been reviewed as follows:

#### **New Source Performance Standards (NSPS):**

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

#### **National Emission Standards for Hazardous Air Pollutants (NESHAP):**

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

#### **Compliance Assurance Monitoring (CAM):**

- (c) The proposed significant permit modification does not involve any new emission units or modified emission units, therefore, no CAM (40 CFR 64) requirements are reviewed under this modification.

#### **CAIR**

Pursuant to 326 IAC 24-1-1(a), 326 IAC 24-2-1(a), and 326 IAC 24-3-1(a), the source is subject to the provisions of CAIR. Section F of the permit contains the provisions the Permittee must follow.

#### **Cross State Air Pollutant Rule (CSAPR)**

The preamble of the CSAPR regulations promulgated on August 8, 2011, states that the requirements established in the CSAPR trading program are applicable requirements that must be included in a source Title V permit pursuant to 40 CFR Part 70 and 71. The requirements of the Cross-State Air Pollution Rule (CSAPR) apply to two (2) boilers identified as Boiler 1 - Boiler 2.

#### **Description of Transport Rule (TR) Monitoring Provisions**

The TR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following table(s). These unit(s) are subject to the requirements for the TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program and the TR SO<sub>2</sub> Group 1 Trading Program.

Unit ID: Coal Boiler No. 1					
Parameter	Continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR part 75, subpart B (for SO <sub>2</sub> monitoring) and 40 CFR part 75, subpart H (for NO <sub>x</sub> monitoring)	Excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR part 75, appendix D	Excepted monitoring system requirements for gas- and oil-fired peaking units pursuant to 40 CFR part 75, appendix E	Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR 75.19	EPA-approved alternative monitoring system requirements pursuant to 40 CFR part 75, subpart E
SO <sub>2</sub>	X				
NO <sub>x</sub>	X				
Heat input	X				

Unit ID: Coal Boiler No. 2					
Parameter	Continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR part 75, subpart B (for SO <sub>2</sub> monitoring) and 40 CFR part 75, subpart H (for NO <sub>x</sub> monitoring)	Excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR part 75, appendix D	Excepted monitoring system requirements for gas- and oil-fired peaking units pursuant to 40 CFR part 75, appendix E	Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR 75.19	EPA-approved alternative monitoring system requirements pursuant to 40 CFR part 75, subpart E
SO <sub>2</sub>	X				
NO <sub>x</sub>	X				
Heat input	X				

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.430 through 97.435 (TR NOx Annual Trading Program), 97.530 through 97.535 (TR NOx Ozone Season Trading Program) and 97.630 through 97.635 (TR SO2 Group 1 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.
2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <http://www.epa.gov/airmarkets/emissions/monitoringplans.html>.
3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR part 75, subpart E and 40 CFR 75.66 and 97.435 (TR NOx Annual Trading Program), 97.535 (TR NOx Ozone Season Trading Program) and 97.635 (TR SO2 Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.
4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (TR NOx Annual Trading Program), 97.530 through 97.534 (TR NOx Ozone Season Trading Program) and 97.630 through 97.634 (TR SO2 Group 1 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (TR NOx Annual Trading Program), 97.535 (TR NOx Ozone Season Trading Program) and 97.635 (TR SO2 Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.
5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (TR NOx Annual Trading Program), 97.530 through 97.534 (TR NOx Ozone Season Trading Program) and 97.630 through 97.634 (TR SO2 Group 1 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

### State Rule Applicability Determination

Due to the modification at this source, state rule applicability has been reviewed as follows:

#### **326 IAC 2-2 (PSD)**

PSD applicability is discussed under the Permit Level Determination – PSD section.

#### **326 IAC 2-7-6(5) (Annual Compliance Certification)**

The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certifications that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

### Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure 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.

### Proposed Changes

The following changes listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

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#### 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) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for ~~enhanced~~ control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for startup.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for ~~enhanced~~ control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

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- (c) Fuel and Ash Handling Systems serving the coal-fired boilers.
- (i) Coal Storage Piles, identified as CSH002
  - (ii) Coal truck/rail Unloading Area, identified as CSH003
  - (iii) Coal Conveying/Transfer Belts, identified as CSH004

- (iv) Flyash Loading/Unloading Area, identified as FAH005, with ~~bottom ash ponds~~  
**baghouse as control device**
- (v) Plant Access Roads, identified as PAR006

\*\*\*

#### Section B - Revisions

IDEM, OAQ has made changes to some of the standard language in B conditions of the permit to help clarify the intent of these conditions. The following revisions have been made to the B Section of the permit to match the current model language and to add applicable requirements:

#### Section B has been revised as follows:

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

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

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

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- ~~(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.~~

- (ba)** 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:

### Section C - Revisions

IDEM, OAQ has made changes to some of the standard language in C conditions of the permit to help clarify the intent of these conditions. The following revisions have been made to the C Section of the permit to match the current model language and to add applicable requirements:

#### **Section C has been revised as follows:**

IDEM, OAQ has clarified further Section C Asbestos Abatement Projects to match the current model language

#### **C.6 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.~~

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.**
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:**
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or**
  - (2) If there is a change in the following:**
    - (A) Asbestos removal or demolition start date;**
    - (B) Removal or demolition contractor; or**
    - (C) Waste disposal site.**
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).**

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

**All required notifications shall be submitted to:**

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

**The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).**

- (e) **Procedures for Asbestos Emission Control**  
**The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.**
- (f) **Demolition and Renovation**  
**The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).**
- (g) **Indiana Licensed Asbestos Inspector**  
**The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.**

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]  
[326 IAC 2-2][326 IAC 2-3] [40 CFR 64][326 IAC 3-8]

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- (d) **The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period.** Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

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**Change 1: Removal of SO<sub>2</sub> Ambient Monitoring Requirements**

The Office of Air Quality has approved IMPA's request to discontinue the ambient air monitoring requirement at the School Kitchen Location at 1321 South 9th Street, Richmond, IN and the associated Met parameters for this permit.

IDEM has reviewed the proposal and has determined that the discontinuation of this monitoring site will not present problems in assuring that the NAAQS near the Whitewater

Valley Station will be met.

The total actual emissions of sulfur dioxide emitted at the Whitewater Valley Station is less than 29,000 tons per year of sulfur dioxide, therefore, pursuant to 326 IAC 7-3-2(d) the Office of Air Quality approved the discontinuation of the SO<sub>2</sub> monitoring site at the School Kitchen Location.

The effective date for this approval to discontinue monitoring shall be January 5, 2016, which includes the removal of Condition C.19 - Ambient Monitoring Requirement.

~~Ambient Monitoring Requirements [326 IAC 7-3]~~

~~C.19 — 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)]~~

**SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions with flue gas conditioning used intermittently at the sole discretion of the Source,
  - a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control and
  - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.
- The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions with flue gas conditioning used intermittently at the sole discretion of the Source,
  - a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
  - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.
- The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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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D.1.8 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

In order to comply with Condition D.1.1, the Permittee shall perform PM testing on the ~~electrostatic precipitator controlling the two (2) boilers, identified as Coal Boiler No. 1 and 2,~~ **when controlled by both the electrostatic precipitator and the PAFF baghouse** utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two (2) calendar years from the date of the recent 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) ~~In order to comply with Condition D.1.1, the Permittee shall perform PM testing on the PAFF Baghouse controlling the two (2) boilers, identified as Coal Boiler No. 1 and 2, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every two (2) calendar years from the date of the recent valid compliance demonstration unless the Permittee ceases to use the PAFF Baghouse as the only PM emission control device. 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.~~

D.1.9 ~~Operation of Electrostatic Precipitator and/or PAFF Baghouse~~ **Particulate Control** [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule or in this permit:

- (a) the electrostatic precipitator (ESP1) ~~and/or~~ the PAFF Baghouse shall be **in operation and control emissions from the Coal Boiler No. 1** when the Coal Boiler No. 1 is in operation.
- (b) the electrostatic precipitator (ESP2) ~~and/or~~ the PAFF Baghouse shall be **in operation and control emissions from the Coal Boiler No. 2** when the Coal Boiler No. 2 is in operation.
- (c) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

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D.1.16 Reserved

ESP Monitoring:

**Change 2:** IMPA wants to change the existing T-R sets condition such that the reasonable response steps shall be taken whenever the percentage of T-R sets in service falls below 50% instead of 90%.

Inspector, Austin Patrick and Dave Cline, head of Compliance section had confirmed that 50% was acceptable as both ESP and baghouse will be in operation at all times.

~~D.1.16~~**D.1.17** Transformer-Rectifier (T-R) Sets [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

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- (a) The ability of the ESP to control particulate emissions shall be monitored once per day, while one or more of the boilers is in operation ~~when the ESP 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 whenever the percentage of T-R sets in service falls below ~~ninety~~ **fifty** percent ~~(90%)~~**(50%)**. T-R set failure resulting in less than ~~fifty~~ **fifty** percent ~~(90%)~~**(50%)** 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) In the event that both the ESPs and the PAFF Baghouse are being used concurrently to control PM emissions, the Permittee need only follow the Compliance Monitoring requirements for either the ESPs or the PAFF Baghouse (once the initial stack test has been completed demonstrating compliance with PM emission limits using only the PAFF Baghouse).~~

Baghouse Monitoring:

~~D.1.17~~**D.1.18** PAFF Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] [40 CFR 64]

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- (a) The Permittee shall record **on any day when either boiler operates** the pressure drop across the PAFF Baghouse **used in conjunction with one or more of the boilers** at least once -per day ~~when the PAFF Baghouse is being used as the only PM emissions control device~~. When for any one reading the pressure drop across the PAFF Baghouse is outside the normal range of 2.0 and 6.0 inches of water **unless a different upper-bound or lower-bound value for this range is determined**, ~~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. Failure to take response steps shall be considered a deviation from this permit.
- ~~(c) In the event that both the ESPs and the PAFF Baghouse are being used concurrently to control PM emissions, the Permittee need only follow the Compliance Monitoring requirements for either the ESPs or the PAFF Baghouse (once the initial stack test has been completed demonstrating compliance with PM emission limits using only the PAFF Baghouse)~~

~~D.1.18~~**D.1.19** Broken or Failed Bag Detection [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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- (a) For a single compartment baghouse ~~servicing as the only PM control device~~ controlling emissions from a process operated continuously, upon detection of a broken or failed bag, the Permittee must ~~either operate the ESP or~~ shut down the failed unit and the associated process 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).
- (b) For a single compartment baghouse ~~servicing as the only PM control device~~ controlling emissions from a batch process, upon detection of a broken or failed bag, the Permittee must ~~either operate the ESP or~~ shut down the feed to the process until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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).

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

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

~~D.1.19~~**D.1.20** Record Keeping Requirement

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- \*\*\*
- ~~(c)~~ Whenever the flue gas conditioning agent is in use, the Permittee shall maintain records of the injection rate of the flue gas conditioning agent, in parts per million (ppm), on an once per day basis.
- \*\*\*
- ~~(f)~~**(e)** To document the compliance status with Condition D.1.18**19** – PAFF Baghouse Parametric Monitoring, the Permittee shall maintain records of the daily pressure drop readings of the PAFF baghouse for every day that the PAFF Baghouse is used as the only PM control device. 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, (i.e. neither unit was running ~~the baghouse was not used to control that day~~).
- (f)** To document the compliance status with Condition D.1.2 during SO<sub>2</sub> CEMS downtime, the Permittee shall keep records of all fuel sampling and analysis data, pursuant to 326 IAC 7-2, and data collected in accordance with Condition D.1.14 **(b)**
- ~~(h)~~**(g)** Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

~~D.1.21~~**D.1.21** Reporting Requirement [326 IAC 7-2-1(d)(2)]

---

- (a) A quarterly report of opacity exceedances **to document compliance with Condition D.1.16** shall be submitted not later than thirty (30) days following the end of each calendar quarter. ~~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.~~
- (b) Pursuant to 326 IAC 3-5-7(c)(4) **and in order to comply with 326 IAC 7-2-1(d)(2)**, reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, 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) The reports 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.**

**Change 3:** IDEM has determined that only one parameter is sufficient for reasonable assurance of compliance and pressure drop recordings are no longer required since IMPA is observing visible emissions.

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (c) Fuel and Ash Handling Systems serving the coal-fired boilers.
- (i) Coal Storage Piles, identified as CSH002
  - (ii) Coal truck/rail Unloading Area, identified as CSH003
  - (iii) Coal Conveying/Transfer Belts, identified as CSH004
  - (iv) Flyash Loading/Unloading Area, identified as FAH005, with ~~bottom ash ponds~~ **baghouse as control device**
  - (v) Plant Access Roads, identified as PAR006
- (d) Sorbent Injection System, identified as SIS001:
- (A) One (1) sorbent storage silo with a storage capacity of 250 tons identified as SS originally constructed in 1992 and modified for storage of sorbent in 2015. Emissions from this silo will be vented to the operations silo. The potential throughput is 4,183 tons per year.
  - (B) One (1) sorbent operations storage silo with a storage capacity of 135 tons identified as OS originally constructed in 1987 and modified for storage of sorbent in 2015. The potential throughput is 4,183 tons per year. Two (2) bin vent filters/baghouses are used for particulate control.
- (e) One (1) Activated Carbon Injection System, identified as ACIS001, consisting of one (1) storage silo with a storage capacity of 3 tons originally constructed in 1992. The potential throughput is 360.5 tons per year. A bin vent filter is used for particulate control.

(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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D.2.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]

- (a) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the PM emissions from the fuel and ash handling systems shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf).
- (b) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the PM emissions from the two (2) Sorbent Injection System, identified as SIS001 shall not exceed 0.03 gr/dscf, each.
- (c) Pursuant to 326 IAC 6.5 (Particulate Matter Limitations Except Lake County), the PM emissions from the Activated Carbon Injection System, identified as ACIS001 shall not exceed 0.03 gr/dscf.

D.2.3 Particulate Control [326 IAC 2-7-6(6)]

- (a) In order to comply with D.2.1, the baghouse for particulate control shall be in operation and control emissions from the dry fly ash handling system at all times that the dry fly ash handling system is in operation
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.2.4 Visible Emissions Notations [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) Visible emission notations of any coal handling unloading and transfer points shall be performed once per week during normal daylight operations when handling coal. A trained employee shall record whether emissions are normal or abnormal.
- (b) Visible emission notations of any flyash handling ~~(with bottom ash ponds)~~ exhaust point shall be performed once per week during normal daylight operations when handling ash. A trained employee shall record whether emissions are normal or abnormal.
- (c) Visible emission notations of the flyash storage and handling baghouse shall be performed once per day during normal daylight operations when in use. A trained employee shall record whether emissions are normal or abnormal
- (d) If abnormal emissions are observed at an unloading or transfer point, the Permittee shall take reasonable response steps. ~~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 reasonable 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.~~ **Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.**
- (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.2.5 Reserved~~

##### ~~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 fly ash storage and handling baghouses used in conjunction with the fly ash storage and handling at least once per day when the fly ash storage and handling is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.5 and 10.0 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. Failure to take response steps 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.2.7 Record Keeping Requirement

- (a) To document the compliance status with Condition D.2.4 (a) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of the coal handling unloading and transfer points. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that week).
- (b) To document the compliance status with Condition D.2.4 (b) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of any fly ash handling exhaust point. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that week).
- (c) To document the compliance status with Condition D.2.4 (b), the Permittee shall maintain a weekly record of visible emission notations of the fly ash storage pond. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate).
- (d) To document the compliance status with Condition D.2.4 (c) - Visible Emissions Notations, the Permittee shall maintain a weekly record of visible emission notations of the flyash handling baghouse. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate).
- ~~(e) To document the compliance status with Condition D.2.5 - Baghouse Parametric Monitoring, the Permittee shall maintain a weekly record of visible emission notations of the fly ash storage and handling baghouses. The Permittee shall include in its weekly record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that week).~~

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#### SECTION E.1 TITLE IV CONDITIONS

Emissions Unit Description:
-----------------------------

- |                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. |
|------------------------------------------------------------------------------------------------------|

1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for startup.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for startup.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control, and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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 F 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: 1040

Emissions Unit Description:

- (a) One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.

Coal Boiler No. 1 has the following control equipment:

- an electrostatic precipitator, identified as ESP1, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of the Source,~~
- a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTEC ROFA/Rotamix, for NO<sub>x</sub> control and
- Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.  
**The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.

Coal Boiler No. 2 has the following control equipment:

- an electrostatic precipitator, identified as ESP2, for enhanced control of particulate matter emissions ~~with flue gas conditioning used intermittently at the sole discretion of~~

- the Source,
- a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTECH ROFA/Rotamix, for NO<sub>x</sub> control, and
  - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.
- The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.

(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 G TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program Requirements (40 CFR 97.406), (40 CFR 97.506), (40 CFR 97.606)**

ORIS Code: 6137

**Transport Rule (TR):**

- (a) **One (1) dry bottom, pulverized bituminous coal front-fired boiler, identified as Coal Boiler No. 1, constructed in 1954, rated at 385 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 1 uses No. 2 fuel oil for start up.**

**Coal Boiler No. 1 has the following control equipment:**

- an electrostatic precipitator, identified as ESP1, for control of particulate matter emissions
  - a low NO<sub>x</sub> burner, (Radially Stratified Flame Core (RSFC) burners) identified as LNB001, and MOBOTECH ROFA/Rotamix, for NO<sub>x</sub> control and
  - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.
- The ESP1 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

- (b) **One (1) dry bottom, pulverized bituminous coal tangentially-fired boiler, identified as Coal Boiler No. 2, constructed before August 17, 1971, rated at 730 million BTU per hour (MMBTU/hour) heat input, used to generate electricity. Coal Boiler No. 2 uses No. 2 fuel oil for start up.**

**Coal Boiler No. 2 has the following control equipment:**

- an electrostatic precipitator, identified as ESP2, for control of particulate matter emissions
  - a low NO<sub>x</sub> burner, (Low NO<sub>x</sub> Concentric Firing System (LNCFS)), identified as LNB002, and MOBOTECH ROFA/Rotamix, for NO<sub>x</sub> control, and
  - Pulse air fabric filter (PAFF) Baghouse, for control of particulate matter emissions.
- The ESP2 is vented to Pulse air fabric filter (PAFF).**

[Under NESHAP Subpart UUUUU, this unit is part of an affected source.]

**Coal Boiler No. 1 and Coal Boiler No. 2 exhaust to a common stack identified as**

**CS001, that has a height of 325 feet and 141-inch exit diameter. Opacity is measured with a continuous opacity monitor (COM). Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) emissions are measured with a SO<sub>2</sub> continuous emission monitor system (CEMS) and a NO<sub>x</sub> CEMS, respectively.**

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

#### **G.1 Designated representative requirements**

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with the following:

- (1) 40 CFR 97.413 through 97.418;
- (2) 40 CFR 97.513 through 97.518; and
- (3) 40 CFR 97.613 through 97.618.

#### **G.2 Emissions monitoring, reporting, and recordkeeping requirements**

- (1) The owners and operators, and the designated representative, of each TR NO<sub>x</sub> Annual source, TR NO<sub>x</sub> Ozone Season source, and TR SO<sub>2</sub> Group 1 source, and each TR NO<sub>x</sub> Annual unit at the source, TR NO<sub>x</sub> Ozone Season unit at the source, and TR SO<sub>2</sub> Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430, 40 CFR 97.530, and 40 CFR 97.630 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.431, 97.531, and 97.631 (initial monitoring system certification and recertification procedures), 97.432, 97.532, and 97.632 (monitoring system out-of-control periods), 97.433, 97.533, and 97.633 (notifications concerning monitoring), 97.434, 97.534, and 97.634 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.435, 97.535, and 97.635 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).
- (2) The emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of TR NO<sub>x</sub> Annual allowances under 40 CFR 97.411(a)(2) and (b) and 97.412 and to determine compliance with the TR NO<sub>x</sub> Annual emissions limitation and assurance provisions under Condition G.3 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.
- (3) The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NO<sub>x</sub> Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine compliance with the TR NO<sub>x</sub> Ozone Season emissions limitation and assurance provisions under Condition G.4 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.
- (4) The emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of TR SO<sub>2</sub> Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 97.612 and to determine compliance with the TR SO<sub>2</sub> Group 1 emissions limitation and assurance provisions under Condition G.5

**below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.**

### **G.3 NOX annual emissions requirements**

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#### **(1) TR NO<sub>x</sub> Annual emissions limitation.**

- (i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit at the source shall hold, in the source's compliance account, TR NO<sub>x</sub> Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Annual units at the source.**
- (ii). If total NO<sub>x</sub> emissions during a control period in a given year from the TR NO<sub>x</sub> Annual units at a TR NO<sub>x</sub> Annual source are in excess of the TR NO<sub>x</sub> Annual emissions limitation set forth in Condition G.3(1)(i) above, then:**
  - (A). The owners and operators of the source and each TR NO<sub>x</sub> Annual unit at the source shall hold the TR NO<sub>x</sub> Annual allowances required for deduction under 40 CFR 97.424(d); and**
  - (B). The owners and operators of the source and each TR NO<sub>x</sub> Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.**

#### **(2) TR NO<sub>x</sub> Annual assurance provisions.**

- (i). If total NO<sub>x</sub> emissions during a control period in a given year from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO<sub>x</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO<sub>x</sub> Annual allowances available for deduction for such control period under 40 CFR 97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.425(b), of multiplying— (A) The quotient of the amount by which the common designated representative's share of such NO<sub>x</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO<sub>x</sub> emissions exceeds the respective common designated representative's assurance level; and (B) The amount by which total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state for such control period exceed the state assurance level.**

- (ii). **The owners and operators shall hold the TR NO<sub>x</sub> Annual allowances required under Condition G.3(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.**
  - (iii). **Total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the State during a control period in a given year exceed the state assurance level if such total NO<sub>x</sub> emissions exceed the sum, for such control period, of the state NO<sub>x</sub> Annual trading budget under 40 CFR 97.410(a) and the state's variability limit under 40 CFR 97.410(b).**
  - (iv). **It shall not be a violation of 40 CFR part 97, subpart AAAAA or of the Clean Air Act if total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the State during a control period exceed the state assurance level or if a common designated representative's share of total NO<sub>x</sub> emissions from the TR NO<sub>x</sub> Annual units at TR NO<sub>x</sub> Annual sources in the state during a control period exceeds the common designated representative's assurance level.**
  - (v). **To the extent the owners and operators fail to hold TR NO<sub>x</sub> Annual allowances for a control period in a given year in accordance with Conditions G.3(2)(i) through (iii) above,**
    - (A). **The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and**
    - (B). **Each TR NO<sub>x</sub> Annual allowance that the owners and operators fail to hold for such control period in accordance with Conditions G.3(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.**
- (3) **Compliance periods.**
  - (i). **A TR NO<sub>x</sub> Annual unit shall be subject to the requirements under Condition G.3(1) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.**
  - (ii). **A TR NO<sub>x</sub> Annual unit shall be subject to the requirements under Condition G.3(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.**
- (4) **Vintage of allowances held for compliance.**
  - (i). **A TR NO<sub>x</sub> Annual allowance held for compliance with the requirements under Condition G.3(1)(i) above for a control period in a given year must be a TR NO<sub>x</sub> Annual allowance that was allocated for such control period or a control period in a prior year.**
  - (ii). **A TR NO<sub>x</sub> Annual allowance held for compliance with the requirements under Condition G.3(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NO<sub>x</sub> Annual allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.**

- (5) **Allowance Management System requirements.** Each TR NO<sub>x</sub> Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart AAAAA.
- (6) **Limited authorization.** A TR NO<sub>x</sub> Annual allowance is a limited authorization to emit one ton of NO<sub>x</sub> during the control period in one year. Such authorization is limited in its use and duration as follows:
  - (i). Such authorization shall only be used in accordance with the TR NO<sub>x</sub> Annual Trading Program; and
  - (ii). Notwithstanding any other provision of 40 CFR part 97, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.
- (7) **Property right.** A TR NO<sub>x</sub> Annual allowance does not constitute a property right.

#### **G.4 NO<sub>x</sub> ozone season requirements**

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- (1) **TR NO<sub>x</sub> Ozone Season emissions limitation.**
  - (i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Ozone Season units at the source.
  - (ii). If total NO<sub>x</sub> emissions during a control period in a given year from the TR NO<sub>x</sub> Ozone Season units at a TR NO<sub>x</sub> Ozone Season source are in excess of the TR NO<sub>x</sub> Ozone Season emissions limitation set forth in Condition G.4(1)(i) above, then:
    - (A). The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold the TR NO<sub>x</sub> Ozone Season allowances required for deduction under 40 CFR 97.524(d); and
    - (B). The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBB and the Clean Air Act.
- (2) **TR NO<sub>x</sub> Ozone Season assurance provisions.**
  - (i). If total NO<sub>x</sub> emissions during a control period in a given year from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO<sub>x</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the



**product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying—**

- (A). The quotient of the amount by which the common designated representative's share of such NO<sub>x</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO<sub>x</sub> emissions exceeds the respective common designated representative's assurance level; and**
  - (B). The amount by which total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state for such control period exceed the state assurance level.**
- (ii). The owners and operators shall hold the TR NO<sub>x</sub> Ozone Season allowances required under Condition G.4(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.**
  - (iii). Total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period in a given year exceed the state assurance level if such total NO<sub>x</sub> emissions exceed the sum, for such control period, of the State NO<sub>x</sub> Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).**
  - (iv). It shall not be a violation of 40 CFR part 97, subpart BBBBBB or of the Clean Air Act if total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO<sub>x</sub> emissions from the TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state during a control period exceeds the common designated representative's assurance level.**
  - (v). To the extent the owners and operators fail to hold TR NO<sub>x</sub> Ozone Season allowances for a control period in a given year in accordance with Conditions G.4(2)(i) through (iii) above,**
    - (A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and**
    - (B). Each TR NO<sub>x</sub> Ozone Season allowance that the owners and operators fail to hold for such control period in accordance with Conditions G.4(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBBB and the Clean Air Act.**
- (3) Compliance Periods.**
- (i). A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under Condition G.4(1) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certificate requirements under 40 CFR 97.530(b) and for each control period thereafter.**
  - (ii). A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under Condition G.4(2) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification**

**requirements under 40 CFR 97.530(b) and for each control period thereafter.**

- (4) Vintage of allowances held for compliance.**
- (i).** A TR NOx Ozone Season allowance held for compliance with the requirements under Condition G.4(1)(i) above for a control period in a given year must be a TR NOx Ozone Season Allowance that was allocated for such control period or a control period in a prior year.
  - (ii).** A TR NOx Ozone Season allowance held for compliance with the requirements under Conditions G.4(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NOx Ozone Season allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.
- (5) Allowances Management System Requirements.**
- (i).** Each TR NOx Ozone Season allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart BBBBB.
- (6) Limited Authorization.**
- (i).** A TR NOx Ozone Season allowance is a limited authorization to emit one ton of NOx during the control period in one year. Such authorization is limited in its use and duration as follows:
    - (A).** Such authorization shall only be used in accordance with the TR NOx Ozone Season Trading Program; and
    - (B).** Notwithstanding any other provision of 40 CFR Part 97, Subpart BBBBB, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.
- (7) Property Right.**
- (i).** A TR NOx Ozone Season allowance does not constitute a property right.

**G.5 SO<sub>2</sub> emissions requirements**

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- (1) TR SO<sub>2</sub> Group 1 emissions limitation.**
- (i).** As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall hold, in the source's compliance account, TR SO<sub>2</sub> Group 1 allowances available for deduction for such control period under 40 CFR 97.624(a) in an amount not less than the tons of total SO<sub>2</sub> emissions for such control period from all TR SO<sub>2</sub> Group 1 units at the source.
  - (ii).** If total SO<sub>2</sub> emissions during a control period in a given year from the TR SO<sub>2</sub> Group 1 units at a TR SO<sub>2</sub> Group 1 source are in excess of the TR SO<sub>2</sub> Group 1 emissions limitation set forth in Condition G.5(1)(i) above, then:
    - (A).** The owners and operators of the source and each TR SO<sub>2</sub> Group 1 unit at the source shall hold the TR SO<sub>2</sub> Group 1 allowances required for deduction under 40 CFR 97.624(d); and

- (B).** The owners and operators of the source and each TR SO<sub>2</sub> Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation 40 CFR part 97, subpart CCCCC and the Clean Air Act.

**(2) TR SO<sub>2</sub> Group 1 assurance provisions**

- (i).** If total SO<sub>2</sub> emissions during a control period in a given year from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such SO<sub>2</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR SO<sub>2</sub> Group 1 allowances available for deduction for such control period under 40 CFR 97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.625(b), of multiplying—
  - (A).** The quotient of the amount by which the common designated representative's share of such SO<sub>2</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such SO<sub>2</sub> emissions exceeds the respective common designated representative's assurance level; and
  - (B).** The amount by which total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state for such control period exceed the state assurance level.
- (ii).** The owners and operators shall hold the TR SO<sub>2</sub> Group 1 allowances required under Condition G.5(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.
- (iii).** Total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period in a given year exceed the state assurance level if such total SO<sub>2</sub> emissions exceed the sum, for such control period, of the state SO<sub>2</sub> Group 1 trading budget under 40 CFR 97.610(a) and the state's variability limit under 40 CFR 97.610(b).
- (iv).** It shall not be a violation of 40 CFR part 97, subpart CCCCC or of the Clean Air Act if total SO<sub>2</sub> emissions from all TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total SO<sub>2</sub> emissions from the TR SO<sub>2</sub> Group 1 units at TR SO<sub>2</sub> Group 1 sources in the state during a control period exceeds the common designated representative's assurance level.
- (v).** To the extent the owners and operators fail to hold TR SO<sub>2</sub> Group 1 allowances for a control period in a given year in accordance with Conditions G.5(2)(i) through (iii) above,



**subpart AAAAA, TR NO<sub>x</sub> Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB, and TR SO<sub>2</sub> Group 1 allowances in accordance with 40 CFR part 97, subpart CCCCC.**

- (2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.430 through 97.435, 40 CFR 97.530 through 97.535, and 40 CFR 97.630 through 97.635, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.406(d)(2), 40 CFR 97.506(d)(2), and 40 CFR 97.606(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

#### **G.7 Additional recordkeeping and reporting requirements**

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- (1) Unless otherwise provided, the owners and operators of each TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.
- (i). The certificate of representation under 40 CFR 97.416, 40 CFR 97.516, and 40 CFR 97.616 for the designated representative for the source and each TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.416, 40 CFR 97.516, and 40 CFR 97.616 changing the designated representative.
  - (ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart AAAAA, 40 CFR part 97, subpart BBBBB, and 40 CFR part 97, subpart CCCCC.
  - (iii). Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program.
- (2) The designated representative of a TR NO<sub>x</sub> Annual source and each TR NO<sub>x</sub> Annual unit, a TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit, and a TR SO<sub>2</sub> Group 1 source and each TR SO<sub>2</sub> Group 1 unit at the source shall make all submissions required under the TR NO<sub>x</sub> Annual Trading Program, TR NO<sub>x</sub> Ozone Season Trading Program, and TR SO<sub>2</sub> Group 1 Trading Program, except as provided in 40 CFR 97.418, 40 CFR 97.518, and 40 CFR 97.618. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

#### **G.8 Liability**

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- (1) Any provision of the TR NO<sub>x</sub> Annual Trading Program that applies to a TR NO<sub>x</sub> Annual source or the designated representative of a TR NO<sub>x</sub> Annual source shall also apply to the owners and operators of such source and of the TR NO<sub>x</sub> Annual units at the source.

- (2) **Any provision of the TR NO<sub>x</sub> Annual Trading Program that applies to a TR NO<sub>x</sub> Annual unit or the designated representative of a TR NO<sub>x</sub> Annual unit shall also apply to the owners and operators of such unit.**
- (3) **Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season source or the designated representative of a TR NO<sub>x</sub> Ozone Season source shall also apply to the owners and operators of such source and of the TR NO<sub>x</sub> Ozone Season units at the source.**
- (4) **Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season unit or the designated representative of a TR NO<sub>x</sub> Ozone Season unit shall also apply to the owners and operators of such unit.**
- (5) **Any provision of the TR SO<sub>2</sub> Group 1 Trading Program that applies to a TR SO<sub>2</sub> Group 1 source or the designated representative of a TR SO<sub>2</sub> Group 1 source shall also apply to the owners and operators of such source and of the TR SO<sub>2</sub> Group 1 units at the source.**
- (6) **Any provision of the TR SO<sub>2</sub> Group 1 Trading Program that applies to a TR SO<sub>2</sub> Group 1 unit or the designated representative of a TR SO<sub>2</sub> Group 1 unit shall also apply to the owners and operators of such unit.**

#### **G.9 Effect on other authorities**

**No provision of the TR NO<sub>x</sub> Annual Trading Program or exemption under 40 CFR 97.405, TR NO<sub>x</sub> Ozone Season Trading Program or exemption under 40 CFR 97.505, and TR SO<sub>2</sub> Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NO<sub>x</sub> Annual source or TR NO<sub>x</sub> Annual unit, TR NO<sub>x</sub> Ozone Season source or TR NO<sub>x</sub> Ozone Season unit, and TR SO<sub>2</sub> Group 1 source or TR SO<sub>2</sub> Group 1 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.**

#### **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 March 22, 2016.

The operation of this proposed modification shall be subject to the conditions of the attached Significant Permit Modification No.: 177-37114-00009.

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 Vasantha Palakurti 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 9694 or toll free at 1-800-451-6027, extension 4-9694.
- (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

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**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

October 27, 2016

Mr. Steve Brown  
Indiana Municipal Power Agency-Whitewater Valley Station  
11610 North College Avenue  
Carmel, Indiana 46032

Re: Public Notice  
Indiana Municipal Power Agency, WWVS  
Permit Level: Title V- Significant Permit Modification  
Permit Number: 177-37114-00009

Dear Mr. Brown:

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 Palladium Item in Richmond, Indiana publish the abbreviated version of the public notice no later than October 31, 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 Morrison-Reeves Library, 80 North 6<sup>th</sup> Street in Richmond, 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 Vasantha Palakurti, 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 4-9694 or dial (317) 234-9694.

Sincerely,

*Vicki Biddle*

Vicki Biddle  
Permits Branch  
Office of Air Quality

Enclosures  
PN Applicant Cover letter 2/17/2016



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Governor

**Carol S. Comer**  
Commissioner

## **ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING**

October 27, 2016

Palladium Item  
1175 North A Street  
Richmond, Indiana 47375

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Indiana Municipal Power Agency – Whitewater Valley Station, Wayne 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 October 31, 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 Vasantha Palakurti at 800-451-6027 and ask for extension 4-9694 or dial 317-234-9694.

Sincerely,

*Vicki Biddle*

Vicki Biddle  
Permit Branch  
Office of Air Quality

Permit Level: Title V – Significant Permit Modification  
Permit Number: 177-37114-00009

Enclosure

PN Newspaper.dot 2/17/2016





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Governor

**Carol S. Comer**  
Commissioner

October 27, 2016

To: Morrisson-Reeves 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: Indiana Municipal Power Agency-Whitewater Valley Station**  
**Permit Number: 177-37114-00009**

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



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Governor

**Carol S. Comer**  
Commissioner

## Notice of Public Comment

**October 27, 2016**

**Indiana Municipal Power Agency – Whitewater Valley Station**

**177-37114-00009**

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](mailto: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

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**Michael R. Pence**  
*Governor*

**Carol S. Comer**  
*Commissioner*

## **AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD DRAFT INDIANA AIR PERMIT**

October 27, 2016

A 30-day public comment period has been initiated for:

**Permit Number: 177-37144-00009**  
**Applicant Name: Indiana Municipal Power Agency - Whitewater Valley Station**  
**Location: Richmond, Wayne 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](mailto:chammack@idem.IN.gov) or (317) 233-2414.

Affected States Notification.dot 2/17/2016

# Mail Code 61-53

IDEM Staff	VBIDDLE 10/27/2016 Indiana Municipal Power Agency 177-37114-00009 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:  <b>CERTIFICATE OF MAILING ONLY</b>	

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		Steve Brown Indiana Municipal Power Agency 11610 N College Ave Carmel IN 46032 (Source CAATS)										
2		Morrisson Reeves Public Library 80 N 6th St Richmond IN 47374-3079 (Library)										
3		Mr. Thomas Lee Clevenger 4005 South Franks Lane Selma IN 47383 (Affected Party)										
4		Richmond City Council and Mayors Office 50 North 5th Street Richmond IN 47374 (Local Official)										
5		Wayne County Commissioners & Council 401 East Main Street Richmond IN 47374 (Local Official)										
6		Mr. Randall Shrock 2764 Abington Pike Richmond IN 47374 (Affected Party)										
7		Wayne County Health Department 401 E. Main Street Richmond IN 47374-4388 (Health Department)										
8												
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10												
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