



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a Title IV (Acid Rain) Permit Renewal

for Duke Energy Indiana, Inc. - Wabash River Generating Station in Vigo County

Title IV (Acid Rain) Permit No.: 167-35808-00021

Notice is hereby given that the above company has submitted a Title IV (Acid Rain) permit renewal application to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), regarding its stationary electric utility generating station, located at 450 Bolton Road, West Terre Haute, IN 47885.

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

Vigo County Public Library - West Branch
626 West National Avenue
West Terre Haute, IN 47885

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

How can you participate in this process?

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

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

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number AR 167-35808-00021 in all correspondence.

Comments should be sent to:

Julie Mendez, Ph.D.
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-1243



A State that Works

Or dial directly: (317) 234-1243
Fax: (317) 232-6749 attn: Julie Mendez
E-mail: JMendez@idem.IN.gov

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

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

What will happen after IDEM makes a decision?

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

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


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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

DRAFT

TITLE IV (ACID RAIN) PERMIT RENEWAL OFFICE OF AIR QUALITY

**Duke Energy Indiana, Inc. - Wabash River Generating Station
450 Bolton Road
West Terre Haute, Indiana, 47885**

ORIS: 1010

The owners and operators (hereinafter collectively known as the Permittee) of the above source are issued this permit under the provisions of 326 Indiana Administrative Code (IAC) 21 [326 IAC 21] with conditions listed on the attached pages.

Operation Permit No.: AR 167-35808-00021	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

DRAFT

Title IV Operating Conditions

Title IV Source Description:

- (a) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 2, constructed in 1953, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 913.8 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (b) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 3, constructed in 1954, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 922.9 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (c) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 4, constructed in 1955, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 922.9 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (d) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 5, constructed in 1956, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 1096.2 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (e) One (1) tangential fired coal electric utility boiler (pulverized - dry bottom, tangential), identified as Unit 6, constructed in 1968, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 2999.0 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

(The information contained in this box is descriptive information and does not constitute enforceable conditions.)

DRAFT

1. Statutory and Regulatory Authorities

In accordance with IC 13-17-3-4 and IC 13-17-3-11, as well as Titles IV and V of the Clean Air Act, the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) issues this permit pursuant to 326 IAC 2 and 326 IAC 21 (incorporates by reference 40 Code of Federal Regulations (CFR) 72 through 78).

2. Standard Permit Requirements [326 IAC 21]

- (a) The designated representative has submitted a complete acid rain permit application in accordance with 40 CFR 72.30.
- (b) The Permittee shall operate Units 2, 3, 4, 5, and 6 in compliance with this permit.

3. Monitoring Requirements [326 IAC 21]

- (a) The Permittee and, to the extent applicable, the designated representative of Units 2, 3, 4, 5, and 6 shall comply with the monitoring requirements as provided in 40 CFR 75 and 76.
- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 76 shall be used to determine compliance by Units 2, 3, 4, 5, and 6 with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (c) The requirements of 40 CFR 75 and 76 shall not affect the responsibility of the Permittee to monitor emissions of other pollutants or other emissions characteristics at Units 2, 3, 4, 5, and 6 under other applicable requirements of the Clean Air Act and other provisions of the operating permit for the source.

4. Sulfur Dioxide Requirements [326 IAC 21]

- (a) The Permittee shall:
 - (1) Hold allowances, as of the allowance transfer deadline (as defined in 40 CFR 72.2), in the compliance subaccount of Units 2, 3, 4, 5, and 6, after deductions under 40 CFR 73.34(c), not less than the total annual emissions of sulfur dioxide for the previous calendar year from Units 2, 3, 4, 5, and 6; and,
 - (2) Comply with the applicable acid rain emissions limitations for sulfur dioxide.
- (b) Each ton of sulfur dioxide emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Clean Air Act.
- (c) Units 2, 3, 4, 5, and 6 shall be subject to the requirements under paragraph 4(a) of the sulfur dioxide requirements as follows:
 - (1) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or,
 - (2) Starting on the latter of January 1, 2000, or the deadline for monitor certification under 40 CFR 75, an affected unit under 40 CFR 72.6(a)(3).
- (d) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (e) An allowance shall not be deducted in order to comply with the requirements under paragraph 4(a) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

DRAFT

- (f) An allowance allocated by the U.S. EPA under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, the acid rain portion of an operating permit, or the written exemption under 40 CFR 72.7 and 72.8 and 326 IAC 21, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (g) An allowance allocated by U.S. EPA under the Acid Rain Program does not constitute a property right.
- (h) No permit revision may be required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program, provided that the increases do not require a permit revision under any other applicable requirement.
[326 IAC 2-7-5(4)(A)]
- (i) No limit shall be placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to noncompliance with any applicable requirement other than the requirements of the Acid Rain Program.
[326 IAC 2-7-5(4)(B)]

5. Nitrogen Oxides Requirements [326 IAC 21]

- (a) The Permittee shall comply with the applicable acid rain emissions limitation of nitrogen oxides (NO_x) for Units 2, 3, 4, 5, and 6.
- (b) NO_x Emission Averaging Plan for Unit 2:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 2, effective from calendar year 2015 to 2020. Under the plan, the NO_x emissions from Unit 2 shall not exceed the annual Alternative Contemporaneous Emission Limitation (ACEL) of 0.50 lb/MMBtu.
 - (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11) is met for a year under the plan, then Unit 2 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (c) NO_x Emission Averaging Plan for Unit 3:
 - (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 3, effective from calendar year 2015 to 2020. Under the plan, the NO_x emissions from Unit 3 shall not exceed the annual Alternative Contemporaneous Emission Limitation (ACEL) of 0.50 lb/MMBtu.

DRAFT

- (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11) is met for a year under the plan, then Unit 3 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (d) NO_x Emission Averaging Plan for Unit 4:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 4, effective from calendar year 2015 to 2020. Under the plan, the NO_x emissions from Unit 4 shall not exceed the annual Alternative Contemporaneous Emission Limitation (ACEL) of 0.50 lb/MMBtu. In addition, Unit 4 shall not have an annual heat input greater than 8,760,000 MMBtu.
 - (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11) is met for a year under the plan, then Unit 4 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (e) NO_x Emission Averaging Plan for Unit 5:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 5, effective from calendar year 2015 to 2020. Under the plan, the NO_x emissions from Unit 5 shall not exceed the annual Alternative Contemporaneous Emission Limitation (ACEL) of 0.50 lb/MMBtu.
 - (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11) is met for a year under the plan, then Unit 5 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (f) NO_x Emission Averaging Plan for Unit 6:
- (1) Pursuant to 40 CFR 76.11, the Indiana Department of Environmental Management, Office of Air Quality approves a NO_x emission averaging plan for Unit 6, effective from calendar year 2015 to 2020. Under the plan, the NO_x emissions from Unit 6 shall not exceed the annual Alternative Contemporaneous Emission Limitation (ACEL) of 0.50 lb/MMBtu. In addition, Unit 6 shall not have an annual heat input greater than 32,412,000 MMBtu.

DRAFT

- (2) Under the plan, the actual Btu-weighted annual average NO_x emission rate for all the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under 40 CFR 76.5. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11) is met for a year under the plan, then Unit 6 shall be deemed to be in compliance for that year with its annual ACEL and annual heat input limit.
- (g) Permittee must annually demonstrate that Units 2, 3, 4, 5, and 6 meet the lowest NO_x emission limit of all the units exhausting their emissions through the common stack, based upon the data from certified continuous emission monitoring systems (CEMS) at the common stack. CEMS certification must be performed in accordance with the requirements and specifications delineated at 40 CFR 75.17.
- (h) In addition to the described NO_x compliance plan, Units 2, 3, 4, 5, and 6 shall comply with all other applicable requirements of 40 CFR 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.

6. Excess Emissions Requirements [40 CFR 77] [326 IAC 21]

(a) If Unit 2, 3, 4, 5, or 6 has excess emissions of sulfur dioxide in any calendar year, the designated representative shall submit a proposed offset plan to U.S. EPA and IDEM, OAQ as required under 40 CFR 77 and 326 IAC 21.

(b) The designated representative shall submit required information to:

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

and

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

(c) If Unit 2, 3, 4, 5, or 6 has excess emissions, as defined in 40 CFR 72.2, in any calendar year, the Permittee shall:

- (1) Pay to U.S. EPA without demand the penalty required, and pay to U.S. EPA upon demand the interest on that penalty, as required by 40 CFR 77 and 326 IAC 21; and,
- (2) Comply with the terms of an approved sulfur dioxide offset plan, as required by 40 CFR 77 and 326 IAC 21.

7. Record Keeping and Reporting Requirements [326 IAC 21]

(a) Unless otherwise provided, the Permittee shall keep on site each of the following documents for a period of 5 years, as required by 40 CFR 72.9(f), from the date the document is created. This period may be extended for cause, at any time prior to the end of the 5 years, in writing by U.S. EPA or IDEM, OAQ:

DRAFT

- (1) The certificate of representation for the designated representative of Units 2, 3, 4, 5, and 6 and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (2) All emissions monitoring information collected in accordance with 40 CFR 75 shall be retained on site for 3 years;
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (4) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (b) The designated representative of Units 2, 3, 4, 5, and 6 shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72.90 subpart I, 40 CFR 75, and 326 IAC 21. The required information is to be submitted to the appropriate authority(ies) as specified in 40 CFR 72.90 subpart I and 40 CFR 75.

8. Submissions [326 IAC 21]

-
- (a) The designated representative of Units 2, 3, 4, 5, and 6 shall submit a certificate of representation, and any superseding certificate of representation, to U.S. EPA and IDEM, OAQ in accordance with 40 CFR 72 and 326 IAC 21.
- (b) The designated representative shall submit required information to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53, IGCN 1003
Indianapolis, Indiana 46204-2251
- and
- U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code (6204N)
Washington, DC 20460
- (c) Each such submission under the Acid Rain Program shall be submitted, signed and certified by the designated representative for all sources on behalf of which the submission is made.
- (d) In each submission under the Acid Rain Program, the designated representative shall certify, by his or her signature, the following statements which shall be included verbatim in the submission:
- (1) "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."; and,

DRAFT

- (2) "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."
- (e) The designated representative of Units 2, 3, 4, 5, and 6 shall notify the Permittee:
 - (1) By the date of submission, of any Acid Rain Program submissions by the designated representative;
 - (2) Within 10 business days of receipt of any written determination by U.S. EPA or IDEM, OAQ; and,
 - (3) Provided that the submission or determination covers Unit 2, 3, 4, 5, or 6.
- (f) The designated representative of Units 2, 3, 4, 5, and 6 shall provide the Permittee a copy of any submission or determination under paragraph (e) of this section, unless the Permittee expressly waives the right to receive a copy.

9. Severability [326 IAC 21]

Invalidation of the acid rain portion of an operating permit does not affect the continuing validity of the rest of the operating permit, nor shall invalidation of any other portion of the operating permit affect the continuing validity of the acid rain portion of the permit. [40 CFR 72.72(b), 326 IAC 21, and 326 IAC 2-7-5(5)]

10. Liability [326 IAC 21]

- (a) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, an acid rain permit, an acid rain portion of an operation permit, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement by U.S. EPA pursuant to Section 113(c) of the Clean Air Act and shall be subject to enforcement by IDEM pursuant to 326 IAC 21 and IC 13-30-3.
- (b) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Clean Air Act, 18 U.S.C. 1001 and IDEM pursuant to 326 IAC 21 and IC 13-30-6-2.
- (c) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (d) Units 2, 3, 4, 5, and 6 shall meet the requirements of the Acid Rain Program.
- (e) Any provision of the Acid Rain Program that applies to Unit 2, 3, 4, 5, or 6, including a provision applicable to the designated representative of Unit 2, 3, 4, 5, or 6 shall also apply to the Permittee.

DRAFT

- (f) Any provision of the Acid Rain Program that applies to Unit 2, 3, 4, 5, or 6, including a provision applicable to the designated representative, shall also apply to the Permittee. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR 75, including 40 CFR 75.16, 75.17, and 75.18, the Permittee and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (g) Each violation of a provision of 40 CFR parts 72, 73, 75, 76, 77, and 78 by Unit 2, 3, 4, 5, or 6, or by the Permittee or designated representative, shall be a separate violation of the Clean Air Act.

11. Effect on Other Authorities [326 IAC 21]

No provision of the Acid Rain Program, an acid rain permit application, an acid rain permit, an acid rain portion of an operation permit, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (a) Except as expressly provided in Title IV of the Clean Air Act (42 USC 7651 to 7651(o)), exempting or excluding the Permittee and, to the extent applicable, the designated representative of Unit 2, 3, 4, 5, or 6 from compliance with any other provision of the Clean Air Act, including the provisions of Title I of the Clean Air Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (b) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Clean Air Act;
- (c) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
- (d) Modifying the Federal Power Act (16 USC 791(a) et seq.) or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (e) Interfering with or impairing any program for competitive bidding for power supply in a state in which such a program is established.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document For a Title IV (Acid Rain) Permit Renewal

Source Background and Description

Source Name:	Duke Energy Indiana, Inc. - Wabash River Generating Station
Source Location:	450 Bolton Road, West Terre Haute, IN 47885
Mailing Address:	1000 East Main Street, Plainfield, IN 46168
County:	Vigo
Operated By:	Duke Energy Indiana, Inc.
Designated Representative:	John B. Hayes
ORIS Code:	1010
Previous Title IV (Acid Rain) Permit No.:	AR 167-29753-00021
Title IV (Acid Rain) Renewal Permit No.:	AR 167-35808-00021
Permit Reviewer:	Julie Mendez, Ph.D.

The Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) has reviewed a Title IV (Acid Rain) permit renewal application submitted by Duke Energy Indiana, Inc. - Wabash River Generating Station on May 4, 2015. The application is for the operation of the following affected units at a station located at 450 Bolton Road, West Terre Haute, Indiana.

- (a) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 2, constructed in 1953, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 913.8 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (b) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 3, constructed in 1954, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 922.9 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (c) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 4, constructed in 1955, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 922.9 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (d) One (1) wall fired coal electric utility boiler (pulverized - dry bottom), identified as Unit 5, constructed in 1956, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 1096.2 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO₂, SO₂, and volumetric flow rate.

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

- (e) One (1) tangential fired coal electric utility boiler (pulverized - dry bottom, tangential), identified as Unit 6, constructed in 1968, using #2 fuel oil as ignition fuel, with a nominal rated heat input capacity of 2999.0 million BTU per hour, using modified burner design (low NOx) for NOx control and electrostatic precipitator (ESP) for particulate control, exhausting to Stack A. Stack A is equipped with a continuous opacity monitor (COM) to monitor opacity as well as continuous emission monitors for NOx, CO2, SO2, and volumetric flow rate.

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

Existing Title IV (Acid Rain) Approvals

The source has been operating under the following previous Title IV (Acid Rain) approval:

AR 167-29753-00021, issued on January 6, 2011.

Duke Energy Indiana, Inc. was issued a Title IV permit for the Wabash River Generating Station, effective from January 6, 2011 to January 6, 2016. September 30, 2010, Duke Energy Indiana, Inc. submitted a Phase II NOx Compliance Plan and incorporated a Phase II NOx Averaging Plan for the Wabash River Generating Station. Duke Energy Indiana, Inc. - Wabash River Generating Station revised the Title IV Emissions Averaging Plan on June 24, 2015. The aforementioned revisions have been combined into this renewal permit.

Program Description

The following information is provided to explain the Acid Rain Program.

- (a) **Goal of the Program**
The goal of the 1990 Clean Air Act (CAA) Amendments, Acid Rain Program is to reduce the impact of man-made emissions of sulfur dioxide (SO₂) and nitrogen oxide (NO_x) on lakes, streams, forests, crops and, most important, the health of the public, by a nationwide SO₂ allocation of emissions from power plants. While it may not seem to be a local problem, the information collected shows a need for this reduction. This is because these emissions can be transported great distances. Results of the SO₂ and NO_x program, along with past, present and future plans, can be found on the Internet at <http://www.epa.gov/airmarkets/>. Additional information in the form of maps showing the results of the SO₂ and NO_x limitations can be found on the Internet at <http://nadp.sws.uiuc.edu/>.
- (b) **Federal Rules**
The emission allowances and conditions in this draft Title IV (Acid Rain) permit were taken from the limits developed by the U.S. EPA for the Acid Rain Program pursuant to Title IV of the Clean Air Act, 42 United States Code 7401, as amended by Public Law 101-5049 (November 15, 1990). Parts 72 through 78 of Title 40 of the Code of Federal Regulations (CFR), 61 Federal Register (FR) 59142, 61 FR 67111, 61 FR 68821, and 62 FR 3463, apply to regulated power plants.
- (c) **Indiana's Rules**
Title 326 of the Indiana Administrative Code (IAC) Article 21, Acid Deposition Control, has adopted the federal rule by referencing 40 CFR 72 through 78, 61 FR 59142, 61 FR 67111, 61 FR 68821, and 62 FR 3463. The rule incorporates the requirements of Title IV, Clean Air Act Acid Rain Program, of the 1990 Clean Air Act (CAA).
- (d) **Sulfur Dioxide (SO₂) Emission Allocations**
Beginning in 2010, the Clean Air Act has placed a cap at 8.95 million on the number of allowances issued to units each year. No allocations were made for new sources. New regulated power plants have to obtain sulfur dioxide emission allocations by purchasing them from pre-existing power plants that have received U.S. EPA allocations. A regulated power plant may have emission allocations to sell because the plant purchased newer,

less polluting, equipment. The U.S. EPA keeps track of the transfer of all sulfur dioxide emission allocations in an official accounting system.

- (e) **Nitrogen Oxide Emission (NO_x) Limitations**
 The emission limitations for NO_x under this part apply to each affected coal-fired utility unit subject to section 404(d) or 409(b) of the Act on the date the unit is required to meet the Acid Rain emissions reduction requirements for SO₂.

Specific Sulfur Dioxide (SO₂) Emission Allocations

There are five (5) affected units, identified as Units 2, 3, 4, 5, and 6, in this generating station. Table 1 below summarizes the SO₂ Allowance Allocations for these units.

Table 1						
SO ₂ Allowance Allocations (tons/year)						
	2015	2016	2017	2018	2019	2020
Unit 2	1,394	1,394	1,394	1,394	1,394	1,394
Unit 3	1,619	1,619	1,619	1,619	1,619	1,619
Unit 4	1,534	1,534	1,534	1,534	1,534	1,534
Unit 5	1,584	1,584	1,584	1,584	1,584	1,584
Unit 6	5,304	5,304	5,304	5,304	5,304	5,304

Specific NO_x Compliance and Averaging Plan

There are five (5) affected units, identified as Units 2, 3, 4, 5, and 6, in this generating station. Table 2 and 3 below summarize the NO_x compliance and averaging plan for these units.

Table 2			
Calendar Years 2015 to 2020	Emission Limitation per 40 CFR 76.5, 76.6 or 76.7 (lb/MMBTU)	Alternative Limit (lb/MMBTU)	Heat Input Limit (MMBTU)
Unit 2	0.50	0.50	196,051
Unit 3	0.50	0.50	183,313
Unit 4	0.46	0.50	8,760,000
Unit 5	0.50	0.50	203,457
Unit 6	0.45	0.50	32,412,000

The BTU weighted annual emission rate average over the units if they are operated in accordance with the proposed averaging plans = 0.468 lb/MMBtu
 BTU weighted annual average emission rate for same units operated in compliance with 40 CFR 76 = 0.478 lb/MMBtu

Table 3			
List of Sources Participating in the NO _x Averaging Plan as submitted on June 24, 2015 Calendar Years 2015 to 2020			
Source Names	No. of Units	Source Names	No. of Units
Cayuga, IN	2	Wabash River, IN	6
Gallagher, IN	2	Total No. of Units	15
Gibson, IN	5	Total No. of Sources	4

Emissions Monitoring Requirements

The Permittee and, to the extent applicable, the designated representative of Units 2, 3, 4, 5, and 6 must comply with the monitoring requirements set out in 40 CFR 75 and 72.9(b)(1) and (2). The source must measure and record its emissions of sulfur dioxide. The source must report these measurements to IDEM and U.S. EPA. These records and reports are used to determine if the source is in compliance with the sulfur dioxide allocation program. The requirements of the Title IV (Acid Rain) permit do not affect the source's responsibility to monitor emissions of other pollutants or other emissions characteristics required by the Clean Air Act and other operating permit provisions. Monitoring requirements outlined in the source's Title IV (Acid Rain) permit renewal application are considered as part of the Title IV (Acid Rain) renewal permit.

Other Record Keeping and Reporting Requirements

The source must keep copies of all reports and compliance certifications that it submits to demonstrate compliance with the requirements of the Title IV (Acid Rain) permit for five years. The source must submit the reports and compliance certifications required by the Title IV (Acid Rain) permit to the U.S. EPA and IDEM, OAQ. Record keeping and reporting requirements outlined in the Title IV (Acid Rain) renewal application are considered part of the Title IV (Acid Rain) renewal permit.

Submissions

The designated representative for each emissions unit must sign and certify every report or other submission required by the Title IV (Acid Rain) renewal permit. The designated representative must include the following certification statement in every submission:

"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."

The designated representative must send the Permittee a notification regarding every submission. The designated representative must also notify the Permittee within ten (10) business days of the receipt of any written determination made by U.S. EPA or IDEM.

Draft Title IV (Acid Rain) Permit Renewal

IDEM has preliminarily determined that the source meets the requirements of Indiana Code (IC) 13-17-3-4 and IC 13-17-3-11, as well as Title IV of the Clean Air Act. IDEM proposes this draft Title IV (Acid Rain) permit renewal pursuant to 326 IAC 21.

Recommendation

The staff recommends that the Title IV Acid Rain permit renewal be approved. This recommendation is based on the following facts and conditions.

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

IDEM Contacts

- (a) **Permit**
Questions regarding the proposed Title IV (Acid Rain) renewal permit can be directed to Julie Mendez at the Indiana Department Environmental Management (IDEM), Office of Air Quality (OAQ), 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-1243 or toll free at 1-800-451-6027 extension 4-1243.
- (b) **Compliance Inspection**
The source will be inspected by IDEM's compliance inspection staff. Persons seeking to obtain information regarding the source's compliance status or to report any potential violation of any permit condition should contact Patrick Austin at the Office of Air Quality (OAQ) address or by telephone at (317) 234-3491 or toll free at 1-800-451-6027 extension 4-3491.
- (c) **Copies**
Copies of the Code of Federal Regulations (CFR) referenced in the permit may be obtained from:

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

or

The Government Printing Office
Washington, D.C. 20402

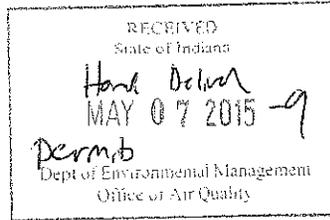
or

on the Government Printing Office website at
<http://www.access.gpo.gov/nara/cfr/index.html>



DUKE ENERGY CORPORATION
1000 East Main Street
Plainfield, IN 46168-1782

May 4, 2015



RECEIVED
State of Indiana

MAY 04 2015

Dept of Environmental Management
State of Indiana

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

Re: Acid Rain Permit Renewal Applications
Duke Energy Indiana
Cayuga CT4 Generating Station ID: 165-00086
Cayuga Generating Station ID: 165-00001
Edwardsport Generating Station ID: 083-00003
Gallagher Generating Station ID: 043-00004
Gibson Generating Station ID: 051-00013
Wabash River Generating Station ID: 167-00021

Enclosed are Duke Energy Indiana's applications to renew the Acid Rain permits for Cayuga CT4, Cayuga, Edwardsport, Gallagher, Gibson and Wabash River Generating Stations.

If you should have any questions regarding the applications, please contact me by email at mack.sims@duke-energy.com or by phone at 317-838-6937.

Sincerely,

Mack E. Sims
Sr. Environmental Specialist
Duke Energy Indiana
Environmental Permitting & Compliance Midwest

Enclosure



AIR PERMIT APPLICATION COVER SHEET
 State Form 50639 (R3 / 11-07)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



NOTES:

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for all air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to **IDEM Air Permits Administration** using the address in the upper right hand corner of this page. Also send a copy to the local agency (if applicable).
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed **instructions** for this form are available online at www.in.gov/idem/permits/air/apps/instructions/coverinstructions.html.

Permb
 MAY 07 2015
JA

IDEM - Office of Air Quality - Permits Branch
 100 N. Senate Avenue, MC 61-53, Room 1003
 Indianapolis, IN 46204-2251
 Telephone: (317) 233-0178 or
 Toll Free: 1-800-451-6027 x30178 (within Indiana)
 Facsimile Number: (317) 232-6749
www.in.gov/idem/permits/air/index.html

FOR OFFICE USE ONLY	
PERMIT NUMBER:	
DATE APPLICATION WAS RECEIVED:	RECEIVED State of Indiana MAY 04 2015 Dept of Environmental Management State of Indiana
<i>YTD GR</i>	

1. Tax ID Number: _____

PART A: Purpose of Application

Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.

2. Source / Company Name: Wabash River Generating Station/Duke Energy Indiana Inc.	3. Plant ID: 167-00021
------------------------------------------------------------------------------------	------------------------

4. Billing Address: c/o Mack Sims, 1000 East Main Street
City: Plainfield State: IN ZIP Code: 46168 -

5. Permit Level: Exemption Registration SSOA MSOP FESOP TVOP PBR

6. Application Summary: Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.

<input type="checkbox"/> Initial Permit	<input type="checkbox"/> Renewal of Operating Permit	<input type="checkbox"/> Asphalt General Permit
<input type="checkbox"/> Review Request	<input type="checkbox"/> Revocation of Operating Permit	<input type="checkbox"/> Alternate Emission Factor Request
<input type="checkbox"/> Interim Approval	<input type="checkbox"/> Relocation of Portable Source	<input checked="" type="checkbox"/> Acid Deposition (Phase II)
<input type="checkbox"/> Site Closure	<input type="checkbox"/> Emission Reduction Credit Registry	

Transition (between permit levels) From: _____ To: _____

Administrative Amendment:

<input type="checkbox"/> Company Name Change	<input type="checkbox"/> Change of Responsible Official
<input type="checkbox"/> Correction to Non-Technical Information	<input type="checkbox"/> Notice Only Change
<input type="checkbox"/> Other (specify): _____	

Modification:

<input type="checkbox"/> New Emission Unit or Control Device	<input type="checkbox"/> Modified Emission Unit or Control Device
<input type="checkbox"/> New Applicable Permit Requirement	<input type="checkbox"/> Change to Applicability of a Permit Requirement
<input type="checkbox"/> Prevention of Significant Deterioration	<input type="checkbox"/> Emission Offset <input type="checkbox"/> MACT Preconstruction Review
<input type="checkbox"/> Minor Source Modification	<input type="checkbox"/> Significant Source Modification
<input type="checkbox"/> Minor Permit Modification	<input type="checkbox"/> Significant Permit Modification
<input type="checkbox"/> Other (specify): _____	

7. Is this an application for an initial construction and/or operating permit for a "Greenfield" Source? Yes No

8. Is this an application for construction of a new emissions unit at an Existing Source? Yes No

PART B: Pre-Application Meeting

Part B specifies whether a meeting was held or is being requested to discuss the permit application.

9. Was a meeting held between the company and IDEM prior to submitting this application to discuss the details of the project?

No Yes: *Date:*

10. Would you like to schedule a meeting with IDEM management and your permit writer to discuss the details of this project?

No Yes: *Proposed Date for Meeting:*

PART C: Confidential Business Information

Part C identifies permit applications that require special care to ensure that confidential business information is kept separate from the public file.

Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in the Indiana Administrative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, OAQ information regarding submittal of confidential business information. For more information on confidentiality for certain types of business information, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission Data.

11. Is any of the information contained within this application being claimed as **Confidential Business Information**?

Yes No

PART D: Certification Of Truth, Accuracy, and Completeness

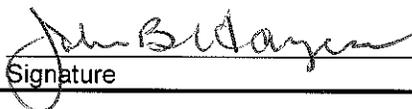
Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

For a Part 70 Operating Permit (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as defined in 326 IAC 2-7-1(34) must certify the air permit application. For all other applicants, this person is an "authorized Individual" as defined in 326 IAC 2-1.1-1(1).

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

John B. Hayes
Name (typed)

Vice President Midwest Regulated Operations
Title


Signature

5-1-2015
Date



OAQ GENERAL SOURCE DATA APPLICATION

GSD-01: Basic Source Level Information

State Form 50640 (R4 / 9-06)

State of Indiana

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

MAY 07 2015
Permits
Dept of Environmental Management
Office of Air Quality

IDEM - Office of Air Quality - Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.in.gov/idem/permits/air/index.html

NOTES:

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- Detailed instructions for this form are available online at www.in.gov/idem/permits/air/apps/instructions/gsd01instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

PART A: Source / Company Location Information

1. Source / Company Name: Wabash River Generating Station / Duke Energy Indiana, Inc.		2. Plant ID: 167 - 00021	
3. Location Address: 450 Bolton Road			
City: West Terre Haute		State: IN	ZIP Code: 47885 -
4. County Name: Vigo		5. Township Name:	
6. Geographic Coordinates:			
Latitude: 39:31:38		Longitude: 87:25:25	
7. Universal Transferred Mercator Coordinates (if known):			
Zone: 16	Horizontal: 463.6	Vertical: 4375.2	
8. Adjacent States: Is the source located within 50 miles of an adjacent state?			
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes - Indicate Adjacent State(s): <input checked="" type="checkbox"/> Illinois (IL) <input type="checkbox"/> Michigan (MI) <input type="checkbox"/> Ohio (OH) <input type="checkbox"/> Kentucky (KY)			
9. Attainment Area Designation: Is the source located within a non-attainment area for any of the criteria air pollutants?			
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - Indicate Nonattainment Pollutant(s): <input type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> NO _x <input type="checkbox"/> O ₃ <input type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> SO ₂			
10. Portable / Stationary: Is this a portable or stationary source?			
<input type="checkbox"/> Portable <input checked="" type="checkbox"/> Stationary			

PART B: Source Summary

11. Company Internet Address (optional):	
12. Company Name History: Has this source operated under any other name(s)?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes - Provide information regarding past company names in Part I, Company Name History.	
13. Portable Source Location History: Will the location of the portable source be changing in the near future?	
<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> No <input type="checkbox"/> Yes - Complete Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.	
14. Existing Approvals: Have any exemptions, registrations, or permits been issued to this source?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes - List these permits and their corresponding emissions units in Part M, Existing Approvals.	
15. Unpermitted Emissions Units: Does this source have any unpermitted emissions units?	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - List all unpermitted emissions units in Part N, Unpermitted Emissions Units.	
16. New Source Review: Is this source proposing to construct or modify any emissions units?	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - List all proposed new construction in Part O, New or Modified Emissions Units.	
17. Risk Management Plan: Has this source submitted a Risk Management Plan?	
<input checked="" type="checkbox"/> Not Required <input type="checkbox"/> No <input type="checkbox"/> Yes → Date submitted: _____ EPA Facility Identifier: - -	

PART C: Source Contact Information

IDEM will send the original, signed permit decision to the person identified in this section. This person MUST be an employee of the permitted source.

18. Name of Source Contact Person: Mack sims

19. Title (optional):

20. Mailing Address: 1000 East Main Street

City: Plainfield

State: IN

ZIP Code: 46168 -

21. Electronic Mail Address (optional):

22. Telephone Number: (317) 838 - 6937

23. Facsimile Number (optional): () -

PART D: Authorized Individual/Responsible Official Information

IDEM will send a copy of the permit decision to the person indicated in this section, if the Authorized Individual or Responsible Official is different from the Source Contact specified in Part C.

24. Name of Authorized Individual or Responsible Official: John B. Hayes

25. Title: Vice President Midwest Regulated Operations

26. Mailing Address: c/o Mack Sims, 1000 East Main Street

City: Plainfield

State: IN

ZIP Code: 46168 -

27. Telephone Number: (317) 838 - 6937

28. Facsimile Number (optional): () -

29. Request to Change the Authorized Individual or Responsible Official: Is the source officially requesting to change the person designated as the Authorized Individual or Responsible Official in the official documents issued by IDEM, OAQ? The permit may list the title of the Authorized Individual or Responsible Official in lieu of a specific name.

No Yes - Change Responsible Official to:

PART E: Owner Information

30. Company Name of Owner: Duke Energy Indiana, Inc.

31. Name of Owner Contact Person: Same as Source

32. Mailing Address: Same as Source

City:

State:

ZIP Code: -

33. Telephone Number: () -

34. Facsimile Number (optional): () -

35. Operator: Does the "Owner" company also operate the source to which this application applies?

No - Proceed to Part F below. Yes - Enter "SAME AS OWNER" on line 35 and proceed to Part G below.

PART F: Operator Information

36. Company Name of Operator: Duke Energy Shared Services

37. Name of Operator Contact Person: Same a Source

38. Mailing Address: Same as Source

City:

State:

ZIP Code: -

39. Telephone Number: () -

40. Facsimile Number (optional): () -

PART G: Agent Information

41. Company Name of Agent: N/A

42. Type of Agent: Environmental Consultant Attorney Other (specify):

43. Name of Agent Contact Person:

44. Mailing Address:

City:	State:	ZIP Code:	-
-------	--------	-----------	---

45. Electronic Mail Address (optional):

46. Telephone Number: () -

47. Facsimile Number (optional): () -

48. Request for Follow-up: Does the "Agent" wish to receive a copy of the preliminary findings during the public notice period (if applicable) and a copy of the final determination? No Yes

PART H: Local Library Information

49. Date application packet was filed with the local library: Within 10 days of Submittal to IDEM

50. Name of Library: Vigo County Public Library - West Branch

51. Name of Librarian (optional):

52. Mailing Address: 626 West National Avenue

City: West Terre Haute	State: IN	ZIP Code: 47885 -
------------------------	-----------	-------------------

53. Internet Address (optional):

54. Electronic Mail Address (optional):

55. Telephone Number: (317) 773 - 1384

56. Facsimile Number (optional): () -

PART I: Company Name History (if applicable)

Complete this section only if the source has previously operated under a legal name that is different from the name listed above in Section A.

57. Legal Name of Company	58. Dates of Use
Duke Energy Indiana, Inc.	10/01/06 to
PSI Energy, Inc. dba Duke Energy Indiana	04/03/06 to 9/30/2006
PSI Energy, Inc./Cinergy Corp.	Issue Date to 04/2/2006
	to

59. Company Name Change Request: Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?
 No Yes - Change Company Name to:

PART L: Source Process Description

Complete this section to summarize the main processes at the source.

65. Process Description	66. Products	67. SIC Code	68. NAICS Code
Electric Generation	Electricity	4911	221112

PART M: Existing Approvals (if applicable)

Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.

69. Permit ID	70. Emissions Unit IDs	71. Expiration Date
	Plant Wide Part 70 Operation Permit - T167-33215-00021	3/13/2019
	Acid Rain Permit - AR167-29753-00021	1/6/2016

PART N: Unpermitted Emissions Units (if applicable)

Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.

72. Emissions Unit ID	73. Type of Emissions Unit	74. Actual Dates		
		Began Construction	Completed Construction	Began Operation

PART O: New or Modified Emissions Units (if applicable)

Complete this section only if the source is proposing to add new emission units or modify existing emission units.

75. Emissions Unit ID	76. NEW	77. MOD	78. Type of Emissions Unit	79. Estimated Dates		
				Begin Construction	Complete Construction	Begin Operation

STEP 3

**Read the
standard
requirements**

Permit Requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another affected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

**STEP 3,
Cont'd.**

Nitrogen Oxides Requirements The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Wabash River Generating Station

Plant Name (from Step 1)

Step 3,
Cont'd.

Liability, Cont'd.

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

STEP 4

**Read the
certification
statement,
sign, and
date**

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. 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.

Name John B. Hayes	
Signature 	Date 5-1-2015



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 24, 2015

Mr. Mack Sims
Duke Energy Indiana, Inc. - Wabash River Generating Station
1000 E Main St
Plainfield, IN 46168

Re: Public Notice
Duke Energy Indiana, Inc. - Wabash River Generating Station
Permit Level: Acid Rain - Renewal
Permit Number: 167 - 35808 - 00021

Dear Mr. Sims:

Enclosed is a copy of your draft Acid Rain - Renewal, 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 Tribune Star in Terre Haute, Indiana publish the abbreviated version of the public notice no later than July 28, 2015. 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 Vigo County Public Library--West Branch, 626 W National Ave in West Terre Haute IN. 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 Julie Mendez, 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 4-1243 or dial (317) 234-1243.

Sincerely,
Len Pogost

Len Pogost
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter-2014. Dot4/10/14



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 24, 2015

Tribune Star
Attn: Classifieds
P.O. Box 149
Terre Haute, Indiana 47808

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Duke Energy Indiana, Inc. - Wabash River Generating Station, Vigo County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than July 29, 2015.

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.

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 Len Pogost at 800-451-6027 and ask for extension 3-2803 or dial 317-233-2803.

Sincerely,

Len Pogost

Len Pogost
Permit Branch
Office of Air Quality

Permit Level: Acid Rain - Renewal
Permit Number: 167 - 35808 - 00021

Enclosure
PN Newspaper.dot 6/13/2013



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 24, 2015

To: Elkhart 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: Duke Energy Indiana, Inc. - Wabash River Generating Station
Permit Number: 167 - 35808 - 00021

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 6/13/2013



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Notice of Public Comment

July 24, 2015

**Duke Energy Indiana, Inc. - Wabash River Generating Station
167 - 35808 - 00021**

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 6/13/13



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD DRAFT INDIANA AIR PERMIT

July 24, 2015

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

Permit Number: 167 - 35808 - 00021
Applicant Name: Duke Energy Indiana, Inc. - Wabash River Generating Station
Location: West Terre Haute, Vigo County, Indiana

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:

<http://www.in.gov/ai/appfiles/idem-caats/>

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification.dot 3/13/2013

Mail Code 61-53

IDEM Staff	LPOGOST 7/24/2015 Duke Energy Indiana - Wabash River Generating Station 167 - 35808 - 00021 draft		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling 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		Mack Sims Duke Energy Indiana, Inc. - Wabash River Generatin 1000 E Main St Plainfield IN 46168 (Source CAATS)									
2		John B Hayes VP Midwest Regulated Operations Duke Energy Indiana, Inc. - Wabash River Generatin c/o M Sims 1000 E Main St Plainfield IN 46168 (RO CAATS)									
3		Vigo County Board of Commissioners County Annex, 121 Oak Street Terre Haute IN 47807 (Local Official)									
4		Terre Haute City Council and Mayors Office 17 Harding Ave Terre Haute IN 47807 (Local Official)									
5		Vigo County Health Department 147 Oak Street Terre Haute IN 47807 (Health Department)									
6		Vigo County Public Library--West Branch 626 W National Ave West Terre Haute IN 47885 (Library)									
7		J.P. Roehm PO Box 303 Clinton IN 47842 (Affected Party)									
8											
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
-----------------------------------------	------------------------------------------------	----------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------