



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: March 30, 2007  
RE: Indiana Michigan Power / 029-17029-00002  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### **Notice of Decision: Approval – Effective Immediately**

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency  
401 M Street  
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

---

*Mitchell E. Daniels*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
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March 30, 2007

Mr. John M. McManus  
Indiana Michigan Power  
1 Riverside Plaza  
Columbus, OH 43215-1268

Re: 029-17029-00002  
First Significant Permit Modification to  
Part 70 No.: T 029-6785-00002

Dear Mr. McManus:

Indiana Michigan Power was issued a Part 70 permit on December 7, 2004, for the Tanners Creek Plant located at 800 AEP Drive, Lawrenceburg, Indiana. A letter requesting a NO<sub>x</sub> budget permit under 326 IAC 10-4 was received on June 30, 2003. 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.

The modification consists of incorporation of a NO<sub>x</sub> budget permit into the source's Part 70 permit.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Walter Habeeb, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, extension 2-8422, or dial (317) 232-8422.

Sincerely,

Original signed by  
Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

Attachments  
WVH

cc: File – Dearborn County  
U.S. EPA, Region V  
Dearborn County Health Department  
Air Compliance Section Inspector – Dan Hancock  
Compliance Data Section  
Administrative and Development



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## PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

### Indiana Michigan Power - Tanners Creek Plant d.b.a. American Electric Power 800 AEP Drive Lawrenceburg, Indiana 47025

(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.

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.

**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.**

Operation Permit No.: T029-6785-00002	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: December 7, 2004  Expiration Date: December 7, 2009

Exemption No.: 029-21059-00002, issued April 25, 2005

First Minor Permit Modification No.: 029-20874-00002, issued July 19, 2005

First Significant Permit Modification No.: T029-17029-00002	Pages Affected: Added Section F and Modified Table of Contents
Issued by: Original signed by  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 30, 2007  Expiration Date: December 7, 2009

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**Appendix A: Acid Rain Permit**

**SECTION F Nitrogen Oxide Budget Trading Program- NO<sub>x</sub> Budget Permit for NO<sub>x</sub> Budget Units Under 326 IAC 10-4-1(a)**

**ORIS Code: 988**

Facility Description [326 IAC 2-7-5(15)] (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

- (a) Two (2) pulverized coal dry bottom roof-fired boilers, identified as Unit 1 and Unit 2, constructed in 1951 and 1952, respectively, each with a nominal design heat input capacity of 1391 million Btu per hour (MMBtu/hr), each with an electrostatic precipitator (ESP) for control of particulate matter, both exhausting to stack CS013. Units 1 and 2 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Units 1 and 2 each have low-NO<sub>x</sub> burners, and continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).
- (b) One (1) pulverized coal dry bottom roof-fired boiler, identified as Unit 3, constructed in 1954, with a nominal design heat input capacity of 1844 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack CS013. Unit 3 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Unit 3 has had low-NO<sub>x</sub> burners installed, and has continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).
- (c) One (1) wet bottom cyclone coal fired boiler, identified as Unit 4, constructed in 1964, with a nominal design heat input capacity of 4990 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack TC4. Unit 4 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Unit 4 has continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).

**F.1 Automatic Incorporation of Definitions [326 IAC 10-4-7(e)]**

This NO<sub>x</sub> budget permit is deemed to incorporate automatically the definitions of terms under 326 IAC 10-4-2.

**F.2 Standard Permit Requirements [326 IAC 10-4-4(a)]**

- (a) The owners and operators of the NO<sub>x</sub> budget source and each budget unit shall operate each unit in compliance with this NO<sub>x</sub> budget permit.
- (b) The NO<sub>x</sub> budget units subject to this NO<sub>x</sub> budget permit are: Boiler units 1, 2, 3 and 4.

**F.3 Monitoring Requirements [326 IAC 10-4-4(b)]**

- (a) The owners and operators and, to the extent applicable, the NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall comply with the monitoring requirements of 40 CFR 75 and 326 IAC 10-4-12.
- (b) The emissions measurements recorded and reported in accordance with 40 CFR 75 and 326 IAC 10-4-12 shall be used to determine compliance by each unit with the NO<sub>x</sub> budget emissions limitation under 326 IAC 10-4-4(c) and Condition F.4, Nitrogen Oxides Requirements.

#### F.4 Nitrogen Oxides Requirements [326 IAC 10-4-4(c)]

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- (a) The owner and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall hold NO<sub>x</sub> allowances available for compliance deductions under 326 IAC 10-4-10(j), as of the NO<sub>x</sub> allowance transfer deadline, in each boiler's compliance account and the source's overdraft account in an amount:
- (1) Not less than the total NO<sub>x</sub> emissions for the ozone control period from the unit, as determined in accordance with 40 CFR 75 and 326 IAC 10-4-12;
  - (2) To account for excess emissions for a prior ozone control period under 326 IAC 10-4-10(k)(5); or
  - (3) To account for withdrawal from the NO<sub>x</sub> budget trading program, or a change in regulatory status of a NO<sub>x</sub> budget opt-in unit.
- (b) Each ton of NO<sub>x</sub> emitted in excess of the NO<sub>x</sub> budget emissions limitation shall constitute a separate violation of the Clean Air Act (CAA) and 326 IAC 10-4.
- (c) NO<sub>x</sub> allowances shall be held in, deducted from, or transferred among NO<sub>x</sub> allowance tracking system accounts in accordance with 326 IAC 10-4-9 through 11, 326 IAC 10-4-13, and 326 IAC 10-4-14.
- (d) A NO<sub>x</sub> allowance shall not be deducted, in order to comply with the requirements under (a) above and 326 IAC 10-4-4(c)(1), for an ozone control period in a year prior to the year for which the NO<sub>x</sub> allowance was allocated.
- (e) A NO<sub>x</sub> allowance allocated under the NO<sub>x</sub> budget trading program is a limited authorization to emit one (1) ton of NO<sub>x</sub> in accordance with the NO<sub>x</sub> budget trading program. No provision of the NO<sub>x</sub> budget trading program, the NO<sub>x</sub> budget permit application, the NO<sub>x</sub> budget permit, or an exemption under 326 IAC 10-4-3 and no provision of law shall be construed to limit the authority of the U.S. EPA or IDEM, OAQ to terminate or limit the authorization.
- (f) A NO<sub>x</sub> allowance allocated under the NO<sub>x</sub> budget trading program does not constitute a property right.
- (g) Upon recordation by the U.S. EPA under 326 IAC 10-4-10, 326 IAC 10-4-11, or 326 IAC 10-4-13, every allocation, transfer, or deduction of a NO<sub>x</sub> allowance to or from each NO<sub>x</sub> budget unit's compliance account or the overdraft account or the overdraft account of the source where the unit is located is deemed to amend automatically, and become a part of, this NO<sub>x</sub> budget permit of the NO<sub>x</sub> budget unit by operation of law without any further review.

#### F.5 Excess Emissions Requirements [326 IAC 10-4-4(d)]

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The owners and operators of each NO<sub>x</sub> budget unit that has excess emissions in any ozone control period shall do the following:

- (a) Surrender the NO<sub>x</sub> allowances required for deduction under 326 IAC 10-4-10(k)(5).
- (b) Pay any fine, penalty, or assessment or comply with any other remedy imposed under 326 IAC 10-4-10(k)(7).

#### F.6 Record Keeping Requirements [326 IAC 10-4-4(e)] [326 IAC 2-7-5(3)]

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Unless otherwise provided, the owners and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall keep, either on site at the source or at a central location within Indiana for unattended sources, each of the following documents for a period of five (5) years:

- (a) The account certificate of representation for the NO<sub>x</sub> authorized account representative for the source and each NO<sub>x</sub> budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 326 IAC 10-4-6(h). The certificate and documents shall be retained either on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond the five (5) year period until the documents are superseded because of the submission of a new account certificate of representation changing the NO<sub>x</sub> authorized account representative.
- (b) All emissions monitoring information, in accordance with 40 CFR 75 and 326 IAC 10-4-12, provided that to the extent that 40 CFR 75 and 326 IAC 10-4-12 provide 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 NO<sub>x</sub> budget trading program.
- (d) Copies of all documents used to complete a NO<sub>x</sub> budget permit application and any other submission under the NO<sub>x</sub> budget trading program or to demonstrate compliance with the requirements of the NO<sub>x</sub> budget trading program.

This period may be extended for cause, at any time prior to the end of five (5) years, in writing by IDEM, OAQ or the U.S. EPA. Records retained at a central location within Indiana shall be available immediately at the location and submitted to IDEM, OAQ or U.S. EPA within three (3) business days following receipt of a written request. Nothing in 326 IAC 10-4-4(e) shall alter the record retention requirements for a source under 40 CFR 75. 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 10-4-4(e)]

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- (a) The NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall submit the reports and compliance certifications required under the NO<sub>x</sub> budget trading program, including those under 326 IAC 10-4-8, 326 IAC 10-4-12, or 326 IAC 10-4-13.
- (b) Pursuant to 326 IAC 10-4-4(e) and 326 IAC 10-4-6(e)(1), each submission shall include the following certification statement by the NO<sub>x</sub> authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NO<sub>x</sub> budget sources or NO<sub>x</sub> budget 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 10-4 requires a submission to IDEM, OAQ, the NO<sub>x</sub> authorized account representative shall submit required information to:

Indiana Department of Environmental Management  
Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (d) Where 326 IAC 10-4 requires a submission to U.S. EPA, the NO<sub>x</sub> authorized account



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**Office of Air Quality**

Addendum to the Technical Support Document (TSD) for the  
NO<sub>x</sub> Budget Permit

**Source Background and Description**

<b>Source Name:</b>	<b>Indiana Michigan Power – Tanners Creek Plant d.b.a. American Electric Power (AEP)</b>
<b>Source Location:</b>	<b>800 AEP Drive, Lawrenceburg, Indiana 47025</b>
<b>County:</b>	<b>Dearborn</b>
<b>SIC Code:</b>	<b>4911</b>
<b>ORIS Code:</b>	<b>988</b>
<b>Operation Permit No.:</b>	<b>029-6785-00002</b>
<b>Significant Permit Modification No.:</b>	<b>029-17029-00002</b>
<b>Permit Reviewer:</b>	<b>Walter Habeeb</b>

On January 9, 2007 the Office of Air Quality (OAQ) had a notice published in The Journal Press in Dearborn County, stating that Indiana Michigan Power-Tanners Creek Plant, had applied for a NO<sub>x</sub> Budget Permit under 326 IAC 10-4. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On January 30, 2007, Indiana Michigan Power submitted comments on the proposed NO<sub>x</sub> Budget Permit. The summary of the comments and IDEM's response to those comments are as follows (bold language has been added and language with a line through it has been deleted):

Comment No. 1

In writing the NO<sub>x</sub> Budget Permit, IDEM has proposed the removal of Condition D.1.10 (Nitrogen Oxides Monitoring Requirement) from the permit. Indiana Michigan Power is appealing permit No. 029-17029-00002. Therefore, Indiana Michigan Power proposes that Condition D.1.10 either remain in the permit "as is" or be changed to read as follows:

D.1.10 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)] [40 CFR 75]

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~~The Permittee has met the monitoring requirements of 326 IAC 10-4-12(b)(1) through (b)(3) that are applicable to their monitoring systems for the NO<sub>x</sub> budget units. The Permittee shall record, report, and quality assure the data from the monitoring systems for the NO<sub>x</sub> budget units in accordance with 326 IAC 10-4-12 and 40 CFR 75. **Reserved**~~

Response No. 1

Upon further review, IDEM has decided to retain Condition D.1.10 in permit 029-17029-00002 as follows:

**D.1.10 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)] [40 CFR 75]**

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**The Permittee has met the monitoring requirements of 326 IAC 10-4-12(b)(1) through (b)(3) that are applicable to their monitoring systems for the NO<sub>x</sub> budget units. The Permittee shall record, report, and quality assure the data from the monitoring systems for the NO<sub>x</sub> budget units in accordance with 326 IAC 10-4-12 and 40 CFR 75.**

Given that this condition will not be removed from Section D.1, only Section F is included in this permit modification. Therefore, pages 31a, 32a, 33a, and 33b have been removed from the draft permit.

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

## Office of Air Quality

### Technical Support Document (TSD) for the NO<sub>x</sub> Budget Permit

#### Source Background and Description

<b>Source Name:</b>	<b>Indiana Michigan Power – Tanners Creek Plant d.b.a. American Electric Power (AEP)</b>
<b>Source Location:</b>	<b>800 AEP Drive, Lawrenceburg, Indiana 47025</b>
<b>County:</b>	<b>Dearborn</b>
<b>SIC Code:</b>	<b>4911</b>
<b>ORIS Code:</b>	<b>988</b>
<b>Operation Permit No.:</b>	<b>029-6785-00002</b>
<b>Significant Permit Modification No.:</b>	<b>029-17029-00002</b>
<b>Permit Reviewer:</b>	<b>Walter Habeeb</b>

#### NO<sub>x</sub> Budget Permit Application and Rule Applicability

A complete Nitrogen Oxides (NO<sub>x</sub>) Budget Permit Application for this NO<sub>x</sub> budget source was received on June 30, 2003. The Office of Air Quality (OAQ) has reviewed a NO<sub>x</sub> budget permit application from Indiana Michigan Power (Tanners Creek Plant) under 326 IAC 10-4-7 for the operation of the NO<sub>x</sub> budget source. The NO<sub>x</sub> budget source includes all NO<sub>x</sub> Budget Units at the source, including opt-in units, if applicable. The following units at the source are NO<sub>x</sub> Budget Units:

- (a) Two (2) pulverized coal dry bottom roof-fired boilers, identified as Unit 1 and Unit 2, constructed in 1951 and 1952, respectively, each with a nominal design heat input capacity of 1391 million Btu per hour (MMBtu/hr), each with an electrostatic precipitator (ESP) for control of particulate matter, both exhausting to stack CS013. Units 1 and 2 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Units 1 and 2 each have low-NO<sub>x</sub> burners, and continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).
- (b) One (1) pulverized coal dry bottom roof-fired boiler, identified as Unit 3, constructed in 1954, with a nominal design heat input capacity of 1844 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack CS013. Unit 3 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Unit 3 has had low-NO<sub>x</sub> burners installed, and has continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).

- (c) One (1) wet bottom cyclone coal fired boiler, identified as Unit 4, constructed in 1964, with a nominal design heat input capacity of 4990 million Btu per hour (MMBtu/hr), with an electrostatic precipitator (ESP) for control of particulate matter, exhausting to stack TC4. Unit 4 will combust distillate fuel oil during startup, shutdown, and stabilization periods. Distillate oil may also be burned to maintain boiler temperature to ensure boiler availability on short notice, and to maintain boiler temperature required during chemical cleaning. Units 4 has continuous emissions monitors (CEMs) for nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) and a continuous opacity monitor (COM).

Pursuant to 326 IAC 10-4-2(16), the NO<sub>x</sub> budget Boiler units No.1, 2, 3 and 4 are each considered an “electricity generating unit (EGU)” because they commenced operation before January 1, 1997 and each unit served a generator during 1995 or 1996 that had a nameplate capacity greater than twenty-five (25) megawatts that produced electricity for sale under a firm contract to the electric grid. Pursuant to 326 IAC 10-4-1(a)(1), an “EGU” is a NO<sub>x</sub> budget unit. Because this source meets the criteria of having one (1) or more NO<sub>x</sub> budget units, it is a NO<sub>x</sub> budget source.

The NO<sub>x</sub> budget permit is in Section F of the TV permit.

The requirements of 326 IAC 2-7-20(a) and (c) do not apply to emission trades of SO<sub>2</sub> or NO<sub>x</sub> in accordance with 326 IAC 21 or 326 IAC 10-4; therefore, no pre-notification of a trade under one of these rules is required.

Pursuant to 326 IAC 10-4-7, the NO<sub>x</sub> budget permit shall be a complete and segregable portion of the TV permit and the NO<sub>x</sub> budget portion of the TV permit shall be administered in accordance with 326 IAC 2-7, except as provided otherwise by 326 IAC 10-4-7.

This NO<sub>x</sub> budget permit is being incorporated into the source's Part 70 permit as a significant permit modification pursuant to 326 IAC 2-7-12. This modification includes the following:

- (a) The addition of the NO<sub>x</sub> budget permit in Section F of the Part 70 permit.
- (b) The Table of Contents was modified to include Section F.
- (c) Condition D.1.10 (Nitrogen Oxides Monitoring Requirement) has been deleted and the remaining conditions have been renumbered. References to renumbered section D conditions have also been modified to reflect the renumbering.

~~D.1.10 Nitrogen Oxides Monitoring Requirement [326 IAC 10-4-4(b)(1)] [326 IAC 10-4-12(b) and (c)]  
[40 CFR 75]~~

~~The Permittee has met the monitoring requirements of 326 IAC 10-4-12(b)(1) through (b)(3) that are applicable to their monitoring systems for the NO<sub>x</sub> budget units. The Permittee shall record, report, and quality assure the data from the monitoring systems for the NO<sub>x</sub> budget units in accordance with 326 IAC 10-4-12 and 40 CFR 75.~~

### Program Description

On October 27, 1998, the U.S. EPA promulgated final federal rules requiring 22 states and the District of Columbia to submit state implementation plan (SIP) revisions to reduce the regional transport of ozone. The federal rule focused on reducing NO<sub>x</sub> emissions in the affected states. In the federal rule, the U.S. EPA established a NO<sub>x</sub> emission “budget” for each of the affected states and the District of Columbia. The “budget” represents a reduction from emissions in the year 2007 that the U.S. EPA believes will reduce the transport of NO<sub>x</sub> emissions and will assist downwind areas in meeting ozone air quality standards. The states must demonstrate compliance with the “budget” by implementing control measures to reduce NO<sub>x</sub> emissions

beginning May 31, 2004. While the rule does not mandate which sources will have to reduce emissions, the rule did provide options that would result in a 65% reduction of NO<sub>x</sub> emissions from utility boilers and a 60% reduction from large industrial (non-utility) boilers and turbines. IDEM developed the NO<sub>x</sub> Budget Trading Program in 326 IAC 10-4 in response to this mandate. The NO<sub>x</sub> reductions that will be achieved by this rule will result in significant air quality improvements throughout the state of Indiana, and will be especially important in those areas of the state where ozone levels exceed or regularly approach state and federal air quality health standards.

The Nitrogen Oxides Budget Trading Program is a regional cap and trade program among all the states subject to the NO<sub>x</sub> SIP call. Electricity generating units (EGUs) and non-electricity generating units (non-EGUs) are allocated allowances for tons of NO<sub>x</sub> that they are allowed to emit during the ozone season. IDEM allocates NO<sub>x</sub> allowances for the affected units, and owners or operators of these units are able to buy, sell, or trade allowances, as necessary, to demonstrate compliance with the unit's NO<sub>x</sub> emissions cap. Because this program is a regional program administered by U.S. EPA, sources are able to buy, sell or trade allowances across state boundaries and between different types of units and sources. More information about the NO<sub>x</sub> SIP Call can be found at: <http://www.epa.gov/airmarkets/fednox/index.html> and <http://www.in.gov/idem/programs/air/sip>.

### **326 IAC 10-4 (NO<sub>x</sub> Budget Trading Program) Requirements**

- (a) Pursuant to 326 IAC 10-4-4(b), the owners and operators and, to the extent applicable, the NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall comply with the monitoring requirements of 40 CFR 75 and 326 IAC 10-4-12. The emissions measurements recorded and reported in accordance with 40 CFR 75 and 326 IAC 10-4-12 shall be used to determine compliance by each unit with the NO<sub>x</sub> budget emissions limitation under 326 IAC 10-4-4(c).
- (b) Pursuant to 326 IAC 10-4-4(c), the owners and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall hold NO<sub>x</sub> allowances available for compliance deductions under 326 IAC 10-4-10(j), as of the NO<sub>x</sub> allowance transfer deadline, in each unit's compliance account and the source's overdraft account in an amount:
  - (1) Not less than the total NO<sub>x</sub> emissions for the ozone control period from the unit, as determined in accordance with 40 CFR 75 and 326 IAC 10-4-12;
  - (2) To account for excess emissions for a prior ozone control period under 326 IAC 10-4-10(k)(5); or
  - (3) To account for withdrawal from the NO<sub>x</sub> budget trading program, or a change in regulatory status of a NO<sub>x</sub> budget opt-in unit.
- (c) Pursuant to 326 IAC 10-4-4(d), the owners and operators of each NO<sub>x</sub> budget unit that has excess emissions in any ozone control period shall do the following:
  - (1) Surrender the NO<sub>x</sub> allowances required for deduction under 326 IAC 10-4-10(k)(5).
  - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed under 326 IAC 10-4-10(k)(7).
- (d) Pursuant to 326 IAC 10-4-4(e)(1), unless otherwise provided, the owners and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall keep either 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:

- (1) The account certificate of representation for the NO<sub>x</sub> authorized account representative for the source and each NO<sub>x</sub> budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 326 IAC 10-4-6(h). The certificate and documents shall be retained either on site at the source or at a central location within Indiana for those owners or operators with unattended sources beyond the five (5) year period until the documents are superseded because of the submission of a new account certificate of representation changing the NO<sub>x</sub> authorized account representative.
- (2) All emissions monitoring information, in accordance with 40 CFR 75 and 326 IAC 10-4-12, provided that to the extent that 40 CFR 75 and 326 IAC 10-4-12 provide for a three (3) year period for record keeping, the three (3) year period shall apply.
- (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the NO<sub>x</sub> budget trading program.
- (4) Copies of all documents used to complete a NO<sub>x</sub> budget permit application and any other submission under the NO<sub>x</sub> budget trading program or to demonstrate compliance with the requirements of the NO<sub>x</sub> budget trading program.

This period may be extended for cause, at any time prior to the end of five (5) years, in writing by IDEM, OAQ or the U.S. EPA. Records retained at a central location within Indiana shall be available immediately at the location and submitted to the IDEM, OAQ or U.S. EPA within three (3) business days following receipt of a written request. Nothing in 326 IAC 10-4-4(e) shall alter the record retention requirements for a source under 40 CFR 75. Unless otherwise provided, all records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

- (e) Pursuant to 326 IAC 10-4-4(e)(2), the NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall submit the reports and compliance certifications required under the NO<sub>x</sub> budget trading program, including those under 326 IAC 10-4-8, 326 IAC 10-4-12, or 326 IAC 10-4-13.

## Monitoring

The NO<sub>x</sub> Budget Trading Program references monitoring and reporting requirements from the Acid Rain program at 40 CFR Part 75. These provisions require, for most sources, the use of continuous emissions monitors (CEMs). A CEM is a system composed of various equipment that continuously measures the amount of nitrogen oxides emitted into the atmosphere in exhaust gases from the NO<sub>x</sub> budget unit's stack.

Excepted monitoring systems under 40 CFR Part 75, Appendix E are allowed for gas-fired peaking units and oil-fired peaking units as defined in 40 CFR 72.2. The excepted monitoring system methodology involves performing stack tests to determine the average NO<sub>x</sub> emissions rate from a unit at four, equally-spaced load levels, in accordance with specific US EPA test methods, to establish a "load curve". The "load curve" correlates emissions to heat input rate such that emissions can be estimated based on the actual hourly heat input.

## NO<sub>x</sub> Emissions Allocations

- (a) Pursuant to 326 IAC 10-4-7(e), this NO<sub>x</sub> budget permit is deemed to incorporate automatically, upon recordation by the U.S. EPA under 326 IAC 10-4-10, 326 IAC 10-4-11, or 326 IAC 10-4-13, every allocation, transfer, or deduction of a NO<sub>x</sub> allowance to or

from the compliance accounts of the NO<sub>x</sub> budget units or the overdraft account of the NO<sub>x</sub> budget source covered by this permit. The allocations for each ozone season and transaction information can be found at:

<http://www.epa.gov/airmarkets/tracking/factsheet.html>. In addition, IDEM, OAQ posts proposed allocations prior to submitting them to the U.S. EPA on the following web site: <http://www.in.gov/idem/programs/air/sip>.

- (b) The following requirements from 326 IAC 10-4-4(c) apply to NO<sub>x</sub> allowances:
- (1) Each ton of NO<sub>x</sub> emitted in excess of the NO<sub>x</sub> budget emissions limitation shall constitute a separate violation of the Clean Air Act (CAA) and 326 IAC 10-4.
  - (2) NO<sub>x</sub> allowances shall be held in, deducted from, or transferred among NO<sub>x</sub> allowance tracking system accounts in accordance with 326 IAC 10-4-9 through 11, 326 IAC 10-4-13, and 326 IAC 10-4-14.
  - (3) A NO<sub>x</sub> allowance shall not be deducted, in order to comply with the requirements under 326 IAC 10-4-4(c)(1), for an ozone control period in a year prior to the year for which the NO<sub>x</sub> allowance was allocated.
  - (4) A NO<sub>x</sub> allowance allocated under the NO<sub>x</sub> budget trading program is a limited authorization to emit one (1) ton of NO<sub>x</sub> in accordance with the NO<sub>x</sub> budget trading program. No provision of the NO<sub>x</sub> budget trading program, the NO<sub>x</sub> budget permit application, the NO<sub>x</sub> budget permit, or an exemption under 326 IAC 10-4-3 and no provision of law shall be construed to limit the authority of the U.S. EPA or IDEM, OAQ to terminate or limit the authorization.
  - (5) A NO<sub>x</sub> allowance allocated under the NO<sub>x</sub> budget trading program does not constitute a property right.
  - (6) Upon recordation by the U.S. EPA under 326 IAC 10-4-10, 326 IAC 10-4-11, or 326 IAC 10-4-13, every allocation, transfer, or deduction of a NO<sub>x</sub> allowance to or from a NO<sub>x</sub> budget unit's compliance account or the overdraft account of the source where the unit is located is deemed to amend automatically, and become a part of, this NO<sub>x</sub> budget permit of the NO<sub>x</sub> budget unit by operation of law without any further review.

### **Other Record Keeping and Reporting Requirements**

Pursuant to 326 IAC 10-4-7(g), except as provided in 326 IAC 10-7-4(e), IDEM, OAQ shall revise the NO<sub>x</sub> budget permit, as necessary, in accordance with the permit modification and revision provisions under 326 IAC 2-7.

Pursuant to 326 IAC 10-4-7(b)(1)(C), for permit renewal, the NO<sub>x</sub> authorized account representative shall submit a complete NO<sub>x</sub> budget permit application covering the NO<sub>x</sub> budget units at the source in accordance with 326 IAC 2-7-4(a)(1)(D) with the Part 70 permit renewal.

### **Submissions**

The NO<sub>x</sub> authorized account representative for each NO<sub>x</sub> budget source on behalf of which a submission is made must sign and certify every report or other submission required by the NO<sub>x</sub> budget permit. The NO<sub>x</sub> authorized account representative must include the following certification statement in every submission: "I am authorized to make this submission on behalf of the owners and operators of the NO<sub>x</sub> budget sources or NO<sub>x</sub> budget 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.”

### **Recommendation**

The staff recommends to the Commissioner that the NO<sub>x</sub> budget permit be approved.

Unless otherwise stated, information used in this review was derived from the application.

### **Additional Information**

Questions regarding the NO<sub>x</sub> budget permit can be directed to Walter Habeeb at the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 232-8422 or toll free at 1-800-451-6027 extension 2-8422.

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 Dan Hancock at the Office of Air Quality (OAQ) address or by telephone at (317) 232-8429 or toll free at 1-800-451-6027 extension 2-8429.

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  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
or  
The Government Printing Office  
Washington, D.C. 20402  
or

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