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

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: February 10, 2011

RE: SIGECO – A.B. Brown Generating Station / 129-29915-00010

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 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 of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar 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.

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

Enclosures
FNPER.dot12/03/07

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

Southern Indiana Gas and Electric Company (SIGECO)
A.B. Brown Generating Station
8511 Welborn Road, Mt. Vernon, Indiana 47620

ORIS: 6137

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 129-29915-00010	
Issued by: Donald F Robin for Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: February 10, 2011 Expiration Date: February 10, 2016

Title IV Operating Conditions

Title IV Source Description:

(a) One (1) dry bottom, pulverized coal-fired boiler, identified as Unit No. 1, constructed in 1974, with a start up date of 1979, with a design fuel heat input capacity of 2518 million (MM) Btu per hour (nominal HHV), with a fabric filter for control of particulate matter (PM), with a dual alkali flue gas desulfurization (FGD) system for control of sulfur dioxide (SO2), with low-nitrogen oxides (NOx) combustion (low-excess air and low -NOx burners) and selective catalytic reduction (SCR) system for control of NOx, with continuous emissions monitoring systems (CEMS) for NOx and SO2 and continuous opacity monitoring (COM) system for opacity and exhausting to stack #1. Natural gas (NG) can be used as an alternate fuel for startup, shutdown, and malfunctions.

(b) One (1) dry bottom, pulverized coal-fired boiler, identified as Unit No. 2, constructed in 1979 with a start up date of 1985, with a design fuel heat input capacity of 2530 million (MM) Btu per hour (nominal HHV), with a electrostatic precipitator (ESP) system for control of particulate matter (PM) and a dual alkali flue gas desulfurization (FGD) system for control of sulfur dioxide (SO2), with low-nitrogen oxides (NOx) combustion (low-excess air and low -NOx burners) and selective catalytic reduction (SCR) system for control of NOx, with continuous emissions monitoring systems (CEMS) for NOx and SO2 and continuous opacity monitoring (COM) system for opacity and exhausting to stack #1. Natural gas (NG) can be used as an alternate fuel for startup, shutdown, and malfunctions.

(c) One (1) simple-cycle, natural gas-fired combustion turbine, designated as unit ABB CT No. 3, with constructed in 1991, with a design fuel heat input capacity of 897.4 million Btu per hour (nominal LHV), utilizing distillate oil (No. 2 fuel oil) as a backup fuel, with a water injection system for control of NO_X emissions, with a continuous emissions monitoring (CEM) system for nitrogen oxides (NO_X) and exhausting to stack #3.

(d) One (1) simple cycle natural gas-fired combustion turbine, designated as unit ABB No. 4, with constructed 2002, with a design fuel heat input capacity of 1146 million (MM) Btu per hour (maximum HHV) with inlet fogger for power augmentation during high ambient temperature operation, with dry low-NOx combustion, with continuous emissions monitoring (CEM) system for nitrogen oxides (NO_X) and carbon monoxide (CO), exhausting to stack No.4.

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

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 1, 2, 3 and 4 in compliance with this permit.

3. Monitoring Requirements [326 IAC 21]

(a) The Permittee and, to the extent applicable, the designated representative of Units 1, 2, 3 and 4 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 1, 2, 3 and 4 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 1, 2, 3 and 4 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 1, 2, 3 and 4, 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 1, 2, 3 and 4; 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 1, 2, 3 and 4 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.

(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 Unit No. 1 and Unit No. 2.

(b) NO_X Early Election Compliance Plan for Unit No. 1:

Pursuant to 40 CFR 76.8(d)(2), the Indiana Department of Environmental Management, Office of Air Quality approves a NO_X early election compliance plan for Unit No. 1. The compliance plan is effective for calendar year 2008 through 2011. Under the compliance plan, the annual average NO_X emission rate of Unit No. 1 for each year, determined in accordance with 40 CFR 75, shall not exceed the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers. If the unit is in compliance with its applicable emission limitation for each year of the plan, then the unit shall not be subject to the applicable emission limitation, under 40 CFR 76.7(a)(2), of 0.46 lb/mmBtu until calendar year 2012.

(c) NO_X Early Election Compliance Plan for Unit No. 2:

Pursuant to 40 CFR 76.8(d)(2), the Indiana Department of Environmental Management, Office of Air Quality approves a NO_X early election compliance plan for Unit No. 2. The compliance plan is effective for calendar year 2008 through 2011. Under the compliance plan, the annual average NO_X emission rate of Unit No. 2 for each year, determined in accordance with 40 CFR 75, shall not exceed the applicable emission limitation, under 40 CFR 76.5(a)(2) of 0.50 lb/MMBtu for dry bottom wall-fired boilers. If the unit is in compliance with its applicable emission limitation for each year of the plan, then the unit shall not be subject to the applicable emission limitation, under 40 CFR 76.7(a)(2), of 0.46 lb/mmBtu until calendar year 2012.

(d) Permittee must annually demonstrate that Unit No. 1 and 2 meets 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.

(e) In addition to the described NO_X compliance plan, Unit No. 1 and Unit No. 2 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.

(f) Pursuant to 40 CFR 76, Acid Rain Nitrogen Oxides Emission Reduction Program, the natural gas fired turbine(s), Units 3 and 4 are not subject to the nitrogen oxide limitations set out in 40 CFR 76.

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

(a) If Units 1, 2, 3 and 4 have 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 Units 1, 2, 3 and 4 have 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:

(1) The certificate of representation for the designated representative of Units 1, 2, 3 and 4 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 1, 2, 3 and 4 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 1, 2, 3 and 4 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,

(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 1, 2, 3 and 4 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 Units 1, 2, 3 and 4.

(f) The designated representative of Units 1, 2, 3 and 4 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 1, 2, 3 and 4 shall meet the requirements of the Acid Rain Program.

(e) Any provision of the Acid Rain Program that applies to Units 1, 2, 3 and 4, including a provision applicable to the designated representative of Units 1, 2, 3 and 4 shall also apply to the Permittee.

(f) Any provision of the Acid Rain Program that applies to Units 1, 2, 3 and 4, 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 Units 1, 2, 3 and 4, 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 Units 1, 2, 3 and 4 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

Addendum to the Technical Support Document (ATSD) for a Part 70 Operating Permit (TITLE V)

Source Background and Description

Source Name:	A.B. Brown Generating Station
Source Location:	8511 Welborn Road, Mt. Vernon, IN 47620
County:	Posey
SIC Code:	4911
Title IV (Acid Rain) Renewal No.:	AR 129-29915-00010
Permit Reviewer:	Josiah Balogun

On December 15, 2010, the Office of Air Quality (OAQ) had a notice published in the Mt. Vernon Democrat Mt. Vernon, Indiana, stating that SIGECO A.B. Brown Generating Station had applied for a Title V Acid Rain Operating Permit Renewal to continue to operate their power plant. The notice also stated that OAQ proposed to issue a Title V for this operation and provided information on how the public could review the proposed Title V 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 Title V should be issued as proposed.

On January 26, 2011, Allen K. Rose of SIGECO A.B. Brown Generating Station submitted a comment on the proposed Title V Acid Rain Operating Permit. The comment is summarized in the subsequent pages, with IDEM's corresponding responses.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflects the permit that was on public notice. Changes that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result, ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The summary of the comments and IDEM, OAQ responses, including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

Comment 1: Looking at the public comment copy of the A. B. Brown Acid Rain Permit TSD, page 3, I came across the following typographic error that needs to be corrected. I have made the necessary correction in the following text. I appreciate your making this change as it will prevent confusion.

Specific Sulfur Dioxide (SO_2) Emission Allocations

There are three (3) affected unit(s), identified as (Units 1, 2 and ~~4~~ **3**), in this generating station. Table 1 below summarizes the SO_2 Allowance Allocations for these unit(s).

Response 1: IDEM acknowledges the above facts by the ATSD. No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflects the permit that was on public notice.

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:	A.B. Brown Generating Station
Source Location:	8511 Welborn Road, Mt. Vernon, IN 47620
Mailing Address:	1 North Main St., Evansville, IN 47711
County:	Posey
Operated By:	Southern Indiana Gas and Electric Company
Designated Representative:	Allen Rose
ORIS Code:	6137
Previous Title IV (Acid Rain) Permit No.:	AR 129-19748-00010
Title IV (Acid Rain) Renewal Permit No.:	AR 129-29915-00010
Permit Reviewer:	Josiah Balogun

The Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) has reviewed a Title IV (Acid Rain) permit renewal application submitted by A.B. Brown Generating Station on November 23, 2010. The application is for the operation of the following affected units at a station located at 8511 Welborn Road, Mt. Vernon, Indiana.

(a) One (1) dry bottom, pulverized coal-fired boiler, identified as Unit No. 1, constructed in 1974, with a start up date of 1979, with a design fuel heat input capacity of 2518 million (MM) Btu per hour (nominal HHV), with a fabric filter for control of particulate matter (PM), with a dual alkali flue gas desulfurization (FGD) system for control of sulfur dioxide (SO2), with low-nitrogen oxides (NOx) combustion (low-excess air and low -NOx burners) and selective catalytic reduction (SCR) system for control of NOx, with continuous emissions monitoring systems (CEMS) for NOx and SO2 and continuous opacity monitoring (COM) system for opacity and exhausting to stack #1. Natural gas (NG) can be used as an alternate fuel for startup, shutdown, and malfunctions.

(b) One (1) dry bottom, pulverized coal-fired boiler, identified as Unit No. 2, constructed in 1979 with a start up date of 1985, with a design fuel heat input capacity of 2530 million (MM) Btu per hour (nominal HHV), with a electrostatic precipitator (ESP) system for control of particulate matter (PM) and a dual alkali flue gas desulfurization (FGD) system for control of sulfur dioxide (SO2), with low-nitrogen oxides (NOx) combustion (low-excess air and low -NOx burners) and selective catalytic reduction (SCR) system for control of NOx, with continuous emissions monitoring systems (CEMS) for NOx and SO2 and continuous opacity monitoring (COM) system for opacity and exhausting to stack #1. Natural gas (NG) can be used as an alternate fuel for startup, shutdown, and malfunctions.

(c) One (1) simple-cycle, natural gas-fired combustion turbine, designated as unit ABB CT No. 3, with constructed in 1991, with a design fuel heat input capacity of 897.4 million Btu per hour (nominal LHV), utilizing distillate oil (No. 2 fuel oil) as a backup fuel, with a water injection system for control of NO_X emissions, with a continuous emissions monitoring (CEM) system for nitrogen oxides (NO_X) and exhausting to stack #3.

(d) One (1) simple cycle natural gas-fired combustion turbine, designated as unit ABB No. 4, with constructed 2002, with a design fuel heat input capacity of 1146 million (MM) Btu per hour (maximum HHV) with inlet fogger for power augmentation during high ambient temperature operation, with dry low-NOx combustion, with continuous emissions

monitoring (CEM) system for nitrogen oxides (NO_X) and carbon monoxide (CO), exhausting to stack No.4.

This Title IV (Acid Rain) permit renewal AR 129-29915-00010, when issued, will have a term of five years and will involve the same affected units as indicated in the initial Title IV (Acid Rain) permit AR 129-19748-00010.

Existing Title IV (Acid Rain) Approvals

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

(a) First Acid Rain 129-19748-00010, issued on May 9, 2006.

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 (NOx) 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 NOx 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 NOx 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 (SO_2) 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 NOx 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 (SO_2) Emission Allocations

There are three (3) affected unit(s), identified as (Units 1, 2 and 4), in this generating station. Table 1 below summarizes the SO_2 Allowance Allocations for these unit(s).

Table 1	
SO_2 Allowance Allocations (tons/year) for 2010 and Beyond	
Unit No. 1	5368
Unit No. 2	4538
Unit ABB CT No.3	640

The simple-cycle, natural gas-fired combustion turbine, (Unit ABB CT No. 4), has no annual allocated sulfur dioxide emission allowances established in the Title IV Acid Rain Program. The unit will be required to seek sulfur dioxide emission allowances from other units, in order to account for all sulfur dioxide emissions, as required by 40 CFR 72.9(c).

Specific NO_X Compliance Plan

There are two (2) affected unit(s), identified as Unit No. 1 and Unit No. 2, in this generating station. Table 2 below summarizes the NOx compliance plan for these unit(s).

Table 2			
Calendar Years 2010 and Beyond	Emission Limitation per 40 CFR 76.5, 76.6 or 76.7 (lb/MMBTU)	Alternative Limit (lb/MMBTU)	Heat Input Limit (MMBTU)
Unit No.1	0.50	0.46	NA
Unit No. 2	0.50	0.46	NA

Units 3 and 4 will not burn coal as a fuel. The natural gas-fired combustion turbines are not subject to Nitrogen Oxides Limitation Requirements.

Emissions Monitoring Requirements

The Permittee and, to the extent applicable, the designated representative of Units No. 1, 2 and 4 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 it's 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 Josiah Balogun 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) 233-45257 or toll free at 1-800-451-6027 extension 4-5257.

(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 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.

(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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Allen Rose
SIGECO – A.B. Brown Generating Station
1 North Main St
Evansville, IN 47711

DATE: February 10, 2011

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

SUBJECT: Final Decision
Title IV – Acid Rain
129-29915-00010

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Ron Jochum (Vice President of Power Supply)
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

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

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Thomas W. Easterly
Commissioner

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

February 10, 2011

TO: Alexandrian Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: SIGECO – A.B. Generating Station
Permit Number: 129-29915-00010

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 2/10/2011 SIGECO - A.B. Brown Generating Station 129-29915-00010 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

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2		Ron Jochum VP of Power Supply SIGECO - A.B. Brown (Southern Indiana Gas and Elec 1 North Main St Evansville IN 47711 *(RO CAATS)*									
3		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 *(Affected Party)*									
4		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 *(Affected Party)*									
5		Mr. Chuck Polage C F Industries RR 5 Hwy 69 South, P.O. Box 645 Mount Vernon IN 47620 *(Affected Party)*									
6		Posey County Commissioners County Courthouse, 126 E. 3rd Street Mount Vernon IN 47620 *(Local Official)*									
7		Posey County Health Department 126 E. 3rd St, Coliseum Bldg Mount Vernon IN 47620-1811 *(Health Department)*									
8		Dr. Jeff Seyler Univ. of So Ind., 8600 Univ. Blvd. Evansville IN 47712 *(Affected Party)*									
9		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 *(Affected Party)*									
10		Alexandrian Public Library 115 West 5th Mt. Vernon IN 47620 *(Library)*									
11		Mr. Tim Krause 4318 North Lowell Chicago IL 60641 *(Affected Party)*									
12		Mrs. Connie Parkinson 510 Western Hills Dr. Mt. Vernon IN 47620 *(Affected Party)*									
13		Robert Hess c/o Mellon Corporation 830 Post Road East, Suite 105 Westport CT 06880 (Affected Party)									
14		Juanita Burton 7911 W. Franklin Road Evansville IN 47712 *(Affected Party)*									
15		Mr. John Blair 800 Adams Ave Evansville IN 47713 *(Affected Party)*									

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