



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

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

June 19, 2018

Ms. Cathy Stepp
Regional Administrator
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Dear Ms. Stepp:

Re: Ongoing Data Requirements for the 2010
Primary 1-Hour Sulfur Dioxide National Ambient
Air Quality Standard

The Indiana Department of Environmental Management (IDEM) has completed a review of areas subject to ongoing data requirements under the 2010 primary 1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS). Based on the evaluation, IDEM recommends that no additional assessments to characterize air quality are needed at this time.

Implementation of the 2010 primary 1-hour SO₂ standard began in 2013 when United States Environmental Protection Agency (U.S. EPA) established nonattainment areas near monitors with data above the SO₂ NAAQS. In order to evaluate the remaining areas of the country, U.S. EPA established three additional rounds of designations: Round 2 on June 30, 2016, Round 3 on December 21, 2017, and Round 4 by December 31, 2020. This evaluation, per 40 Code of Federal Regulations (CFR) Subpart BB §51.1205(b), only addresses areas designated during Round 2.

During Round 2 designations, U.S. EPA identified five coal-fired electric power plants in Indiana, shown in Table 1, around which air quality characterization was required.

Table 1: Facilities Subject to the Round 2 Designation Process

County	Facility
Spencer	American Electric Power (AEP) – Rockport Generating Station
LaPorte	Northern Indiana Public Service Company (NIPSCO) – Michigan City Generating Station
Posey	Vectren – A.B. Brown Generating Station
Jefferson	Indiana-Kentucky Electric Corporation (IKEC) – Clifty Creek Generating Station
Gibson	Duke Energy – Gibson Generating Station

On June 30, 2016, U.S. EPA completed designations for Round 2 designating all of Indiana's identified sources as "unclassifiable/attainment". The final rule was published in the Federal Register (FR) on July 12, 2016 (81 FR 45039).

Ongoing data requirements, per 40 CFR §51.1205, are applicable to sources that relied on SO₂ monitoring or modeling using actual 2012 – 2014 emissions to demonstrate attainment of the NAAQS during the designations process. As such, ongoing data requirements are applicable to only three of the five sources identified in Table 1: AEP's Rockport Station, NIPSCO's Michigan City Station, and Duke Energy's Gibson Station. Ongoing data requirements are not applicable, per 40 CFR Part §51.1204, to Vectren's A.B. Brown Station and IKEC's Clifty Creek Station because these facilities accepted federally enforceable and permanent SO₂ emission limits as the basis for establishing designations demonstrating that the area will not violate the 2010 SO₂ NAAQS.

For Duke Energy's Gibson Station, because monitoring data was used to characterize air quality for Round 2 designations, ongoing data requirements are the continued operation of the SO₂ monitors as well as the continued reporting of such data. Duke Energy continues to operate the SO₂ monitoring network and data is reported to U.S. EPA's Air Quality System (AQS) database. It is worth noting that certified ambient air quality monitoring data continues to demonstrate attainment of the 2010 primary 1-hour SO₂ standard as shown in Table 2.

Table 2: Duke Energy's Gibson Generating Station SO₂ Monitoring Data

Site ID	County	Site Name	99th Percentile Values					3-Year Design Value		
			2012	2013	2014	2015	2016	2012-2014	2013-2015	2014-2016
180510002	Gibson	Coal Rd.	76	64	77	59	71	72	67	69

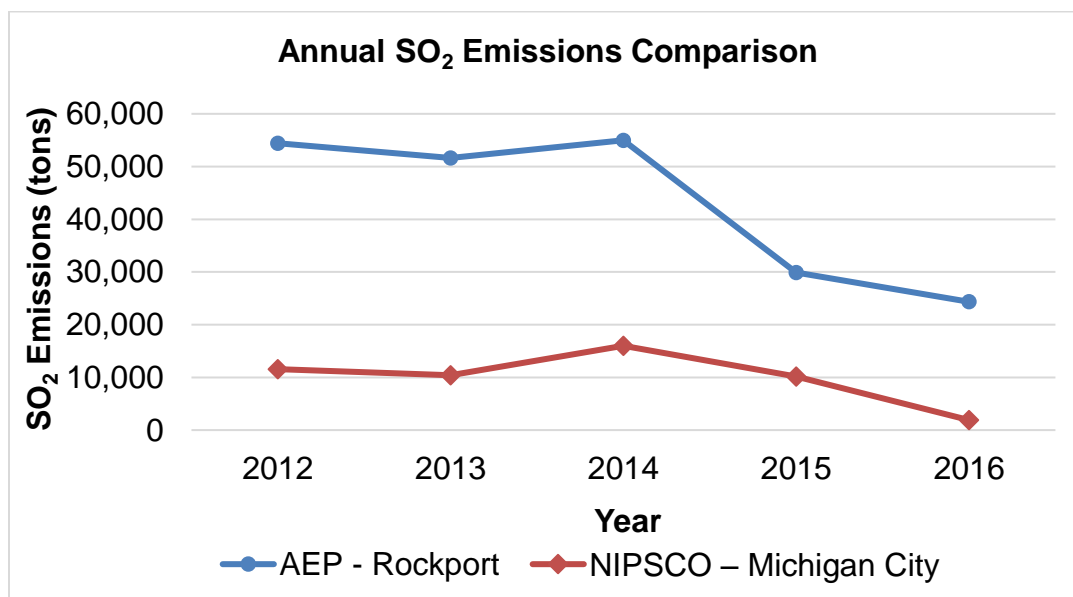
For AEP's Rockport Station and NIPSCO's Michigan City Station, in order to conduct the 2018 assessment, annual SO₂ emissions for 2016 were obtained from IDEM's Emission Inventory Tracking System (EMITS). This data, shown in Table 3, was compared to data (2012 – 2014) used for the initial designations.

Table 3: Yearly Comparison of SO₂ Emissions (tons) for the AEP – Rockport and NIPSCO – Michigan City Generating Stations

County	Source Name	2012	2013	2014	Averaged 2012-2014 (tons)	2015	2016	Averaged 2014-2016 (tons)
Spencer	AEP – Rockport	54,390	51,636	54,979	53,668	29,890	24,341	36,403
LaPorte	NIPSCO – Michigan City	11,584	10,429	15,991	12,668	10,148	1,901	9,347

Results of the emission assessment show 2016 SO₂ emissions from the AEP – Rockport and NIPSCO – Michigan City stations have decreased by approximately 55% and 85%, respectively, from the averaged SO₂ emissions of 2012 – 2014. As outlined in Table 3, 2016 SO₂ emissions are also below each of the individual reporting years of 2012, 2013, and 2014 for both sources. Chart 1 below shows the trends in SO₂ emissions from 2012 – 2016 for both sources.

Chart 1 – SO₂ Emissions Trends for the AEP – Rockport and NIPSCO – Michigan City Generating Stations



Based on this SO₂ emissions assessment, Indiana recommends no additional modeling is needed to further characterize air quality in the areas surrounding the AEP – Rockport Generating Station in Spencer County and the NIPSCO – Michigan City Generating Station located in LaPorte County. Both sources reported lower SO₂ emissions in 2016 than what was modeled to demonstrate attainment of the 2010 primary 1-hour SO₂ NAAQS. Both areas are currently designated as

"attainment/unclassifiable" and no changes to their classification are necessary at this time.

IDEM provided a 30-day public comment period and an opportunity for a public hearing concerning this submittal of the *Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard*. A public hearing was not requested and there were not any comments received. Please refer to the Supporting Document for further information and dates regarding the public participation process.

This report consists of one (1) hardcopy of the required documentation. An electronic version of the submittal in PDF format that is identical to the hard copy has been sent to Doug Aburano, Chief of U.S. EPA Region 5's Attainment Planning and Maintenance Section and Chris Panos of U.S. Region 5. If you have any questions or need additional information, please contact Brian Callahan, Chief, Air Quality Standards and Implementation Section, Office of Air Quality at (317) 232-8244 or bcallaha@idem.IN.gov.

Sincerely,



Keith Baugues
Assistant Commissioner
Office of Air Quality

KB/sd/bc/gf/lf

Supporting Document:

1. Public Participation Process Documentation

cc: Chris Panos, EPA – Region 5 (no enclosure)
Doug Aburano, EPA – Region 5 (no enclosure)
John Summerhays, EPA – Region 5 (no enclosure)
Keith Baugues, IDEM (no enclosure)
Scott Deloney, IDEM (no enclosure)
Brian Callahan, IDEM (no enclosure)
Gale Ferris, IDEM (no enclosure)
Leslie Ferguson, IDEM (w/ enclosure)
File Copy

Supporting Document

Public Participation Process Documentation

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LEGAL NOTICE OF PUBLIC HEARING

Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard

Note: Legal notices for public hearings are no longer published in newspapers, but can be found on the Indiana Department of Environmental Management's web site at:
<http://www.in.gov/idem/6777.htm>.

Notice is hereby given under 40 Code of Federal Regulations (CFR) 51.102 that the Indiana Department of Environmental Management (IDEM) is accepting written comment and providing an opportunity for a public hearing regarding the *Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard*. All interested persons are invited and will be given reasonable opportunity to express their views concerning this submittal.

The purpose of this submittal is to review areas subject to ongoing data requirements under the 2010 primary 1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS). This evaluation, per 40 CFR Subpart BB §51.1205(b), only addresses areas designated during Round 2. Based on this SO₂ assessment, Indiana recommends no additional modeling is needed to further characterize air quality in the areas surrounding the American Electric Power – Rockport Generating Station in Spencer County and the Northern Indiana Public Service Company – Michigan City Generating Station in LaPorte County.

Copies of the *Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard* will be available on or before May 14, 2018, to any person upon request at the following locations:

- Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center North, 100 North Senate Avenue, Room N1003, Indianapolis, Indiana
- Indianapolis-Marion County Public Library-West Indianapolis Branch, 1216 South Kappes Street, Indianapolis, Indiana

The draft documents will also be available on the following web page:

<http://www.in.gov/idem/airquality/2432.htm>

Any person may submit written comments on the *Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard*. Written comments should be directed to: Ms. Leslie Ferguson, Indiana Department of Environmental Management, Office of Air Quality, Room 1003, 100 North Senate Avenue, Indianapolis, Indiana 46204. Comments can also be submitted via fax (317) 233-5967 or e-mail at lferguso@idem.IN.gov. Comments must be submitted by June 13, 2018. Interested parties may also present oral or written comments at the public

hearing, if held. Oral statements will be heard, but for the accuracy of the record, statements should be submitted in writing. Written statements may be submitted to the attendant designated to receive written comments at the public hearing.

A public hearing on the *Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard* will be held if a public hearing request is received by June 13, 2018. If a hearing is requested, the hearing will be held on June 18, 2018, and the comment period will be extended to June 22, 2018. The hearing will convene at 6:00 p.m. local time at Indianapolis-Marion County Public Library-West Indianapolis Branch, 1216 South Kappes Street, Indianapolis, Indiana 46221. If a request for a public hearing is not received by June 13, 2018, the hearing will be cancelled. Interested parties can check the online IDEM calendar at <https://calendar.in.gov/site/idem/> or contact Ms. Leslie Ferguson at (317) 233-1179 or lferguso@idem.in.gov, after June 13, 2018, to see if the hearing has been cancelled or will convene.

If a hearing is held, a transcript of the hearing and all written submissions provided at the public hearing shall be open to public inspection at IDEM and copies may be made available to any person upon payment of reproduction costs. Any person heard or represented at the hearing or requesting notice shall be given written notice of actions resulting from the hearing.

For additional information contact Ms. Leslie Ferguson, at the Indiana Department of Environmental Management, Office of Air Quality, Room N1003, Indiana Government Center North, 100 North Senate Avenue, Indianapolis, IN 46204, or call (317) 233-1179 or (800) 451-6027 ext. 3-5682 (in Indiana).

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Speech and hearing impaired callers may contact the agency via the Indiana Relay Service at 1-800-743-3333. Individuals requiring reasonable accommodations for participation in this hearing should contact the IDEM Americans with Disabilities Act (ADA) coordinator at: Attn: ADA Coordinator, Indiana Department of Environmental Management – Mail Code 50-10, 100 North Senate Avenue, Indianapolis, IN 46204-2251, or call (317) 233-1785 (voice) or (317) 233-6565 (TDD). Please provide a minimum of 72 hours notification.



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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

May 10, 2018

CERTIFICATE OF PUBLICATION

This is to certify that the Indiana Department of Environmental Management (IDEM) Notice of the opportunity for a Public Hearing regarding the following:

- Draft Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard

was published on IDEM's web site on May 10, 2018. It is expected that it will remain posted on the site until at least June 13, 2018.

The notice in full was available online at the following web address, under "Statewide":

<http://www.in.gov/idem/5474.htm>

The draft document was also posted online May 10, 2018 at the following web address:

<https://www.in.gov/idem/airquality/2432.htm>

Web publication of the notice was at the request of Scott Deloney, Branch Chief, Programs Branch, Office of Air Quality, IDEM.

By:

Mike Finklestein
IDEM Webmaster

Attachments:

Copy of web page as published.


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Program Support

Name or Facility	Type of Notice/Event	Publication Dates	Public Comment?	Additional Information
Draft Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard	Legal Notice and Opportunity for Public Hearing [PDF]	05/11/2018 - 06/13/2018	Yes	Project Manager: Leslie Ferguson Additional information is available on the IDEM Air Quality in Indiana: Sulfur Dioxide (SO2) Air Quality Attainment/Nonattainment Designations page.


Date and Time

Additional Clocks




Date:
Thursday, May 10, 2018

Time:
11:14:09 AM

 Change date and time...

Time zone _____
(UTC-05:00) Eastern Time (US & Canada)

 Change time zone...

Daylight Saving Time ends on Sunday, November 04, 2018 at 2:00 AM. The clock is set to go back 1 hour at that time.

☒ Notify me when the clock changes

[Get more time zone information online](#)

[How do I set the clock and time zone?](#)

OK Cancel Apply

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Browser window showing the Indiana Department of Environmental Management (IDEM) website. The address bar displays <https://www.in.gov/idem/airquality/2432.htm>. The page content includes a list of links for Round 2 Nonattainment Designations and Round 1 Nonattainment Designations. A "Date and Time" dialog box is open, showing the date as Thursday, May 10, 2018, and the time as 9:46:17 AM. The dialog box also displays the time zone as (UTC-05:00) Eastern Time (US & Canada) and includes a checkbox for "Notify me when the clock changes".

Navigation Menu:

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- FAMILY & HEALTH

Left Sidebar (Air Quality Section):

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- CSAPR and NOx Budget Non-EGUs
- Criteria Pollutants
- Designation
- DieselWise
- Enforcement
- GLAD
- Modeling
- NAAQS
- Nonattainment
- Open Burning
- Outdoor Hydronic Heaters
- Quality Assurance
- Redesignations and Maintenance Plans
- Regional Haze
- Risk Assessment
- Stage Two (II) Vapor Recovery

Main Content Area:

- [Indiana Preliminary Round 3 Designation Recommendations \(January 13, 2017\) \[PDF\]](#)
 - [Attachment 1 \[PDF\]](#)
 - [Attachment 2 \[PDF\]](#)
 - [Enclosure 1 \[PDF\]](#)
 - [Enclosure 2 \[PDF\]](#)
 - [Enclosure 3 \[PDF\]](#)
 - [Enclosure 4 \[PDF\]](#)
 - [Attachment 3 \[PDF\]](#)
 - [Attachment 4 \[PDF\]](#)
 - [Attachment 5 \[PDF\]](#)
- [Indiana SIP Submittal of Commissioner's Order for Carmeuse Limited](#)
- [Indiana SIP Submittal of Commissioner's Order for SABIC Innovative Plastics](#)
- [Update to Indiana's Round 3 and 4 Designations for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard and Air Quality Characterization Under the Data Requirements Rule \(September 16, 2016\) \[PDF\]](#)
- [Rounds 3 and 4 Designations for the 2010 SO2 1-Hour Standard \(September 16, 2016\) \[PDF\]](#)
 - [Enclosure 1 \[PDF\]](#)
 - [Enclosure 2 \[PDF\]](#)
 - [Enclosure 3 \[PDF\]](#)
- [Indiana Sources Subject to Air Quality Characterization under Round 3 and 4 Designations](#)
 - [Enclosure 1 \[PDF\]](#)
 - [Enclosure 2 \[PDF\]](#)

Round 2 Nonattainment Designations

- [Draft Ongoing Data Requirements for the 2010 Primary 1-Hour Sulfur Dioxide National Ambient Air Quality Standard \[PDF\]](#)
- [Emissions Assessment for Sources Subject to the Data Requirements Rule \(June 26, 2017\) \[PDF\]](#)
- [Federal Register Notice Concerning Round 2 SO2 Designations \(July 12, 2016\)](#)
- [U.S. EPA Round 2 Nonattainment Boundaries for the 2010 SO2 1-Hour Standard \(July 1, 2016\) \[PDF\] \[PDF\]](#)
 - [U.S. EPA Technical Support Information for SO2 Boundary Definitions \[PDF\]](#)
- [Approval and Promulgation of Indiana's SIP Submittals of Commissioner's Orders for the A.B. Brown and Clifty Creek Generating Stations effective June 6, 2016 \[PDF\]](#)
- [Indiana SIP Submittal of Commissioner's Order for the A.B. Brown Generating Station \(March 31, 2016\) \[PDF\]](#)
- [Indiana SIP Submittal of Commissioner's Order for the Clifty Creek Generating Station \(March 21, 2016\) \[PDF\]](#)
- [Indiana Preliminary Round 2 Designation Recommendations \(September 16, 2015\) \[PDF\]](#)
 - [Enclosure 1 \[PDF\]](#)
 - [Enclosure 2 \[PDF\]](#)
 - [Enclosure 3 \[PDF\]](#)

Round 1 Nonattainment Designations

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