



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
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Toll Free (800) 451-6027
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January 24, 2013

Ms. Susan Hedman
Regional Administrator
U.S. Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3950

Re: Technical Addendum to Provide Updated
Recommendations Concerning Air
Quality Designations for the 2010 1-Hour
National Ambient Air Quality Standard for
Sulfur Dioxide (SO₂)

Dear Ms. Hedman:

The Indiana Department of Environmental Management (IDEM) has prepared this technical addendum to provide updated designation recommendations concerning the 2010 1-Hour National Ambient Air Quality Standards (NAAQS) for sulfur dioxide (SO₂).

Indiana's initial designation recommendations for the 2010 revised 1-Hour SO₂ NAAQS were sent to the United States Environmental Protection Agency (U.S. EPA) on May 11, 2011. Technical addendums with updated recommendations were also sent to U.S. EPA on January 6, 2012 and April 26, 2012. Since the last submittal, 2012 1-hour SO₂ monitoring data for a portion of Indiana has become available. Based on the certified 2010 through 2012 1-hour SO₂ monitoring data for site 18-043-004 (Floyd County, IN), Indiana wishes to update its nonattainment recommendations. Specifically, Indiana is now recommending New Albany Township in Floyd County as unclassifiable. A summary of the certified monitoring data specific to this area in support of this recommendation is enclosed. The attached data have been entered into the Air Quality System (AQS) database.

This submittal consists of one (1) hard copy 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.

Indiana reserves the right to supplement and/or revise the recommendations contained herein as additional monitoring and modeling information becomes available. I appreciate the opportunity to provide updated designations recommendation to U.S. EPA concerning the 2010 1-hour SO₂ NAAQS. Likewise, I look forward to working with your staff as U.S. EPA moves forward with the designation process. If you have any questions regarding Indiana's recommendations, please feel free to contact me at (317) 232-8611 or Keith Baugues, Assistant Commissioner, Office of Air Quality, at (317) 232-8222.

Sincerely,



Thomas W. Easterly
Commissioner

TWE/KB/sd/ghf

Enclosure

Preliminary 2010 through 2012 1-Hour SO₂ Monitoring Data for a Portion of
Indiana

cc: George Czerniak, U.S. EPA Region 5
John Mooney, U.S. EPA Region 5
John Summerhays, U.S. EPA Region 5
Keith Baugues, IDEM, Office of Air Quality
Scott Deloney, IDEM, Office of Air Quality
Gale Ferris, IDEM, Office of Air Quality
File Copy

User ID: WLV

QUICKLOOK CRITERIA PARAMETERS

Report Request ID: 1053205

Report Code: AMP450

Jan. 23, 2013

GEOGRAPHIC SELECTIONS															
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
	18	043	0004	42401										2012	2012

SELECTED OPTIONS		SORT ORDER	
Option Type	Option Value	Order	Column
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRENT EVENTS	1	PARAMETER_CODE
MERGE PDF FILES	YES	2	STATE_CODE
WORKFILE DELIMITER	,	3	COUNTY_CODE
		4	SITE_ID
		5	POC
		6	DATES
		7	EDT_ID

APPLICABLE STANDARDS	
Standard Description	
SO2 1-hour 2010	
SO2 24-hour 1971	
SO2 3-hour 1971	
SO2 Annual 1971	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

Note: The * indicates that the mean does
not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

Sulfur dioxide (42401)

Indiana

Parts per billion (008)

SITE ID	P									1ST	2ND	99TH	1ST	2ND	Days	ARITH			
	O									COMP	MAX	MAX	PCTL	MAX	MAX	>24HR	MEAN		
	C	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	OBS	QTRS	1-HR	1-HR	1-HR	24-HR	24-HR	STD	AN-STD	CERT	EDT	
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD KNOB RD AT WLKY TOWER	2012	060	8390	4	53.0	51.0	38.0	11.0	10.5	0	3.98		0	

Note: The * indicates that the mean does
 not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
42401	060	INSTRUMENTAL	PULSED FLUORESCENT

Note: The * indicates that the mean does
not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

PQAOS USED IN THIS REPORT

PQAO	AGENCY DESCRIPTION
1324	Duke Energy

Note: The * indicates that the mean does
not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: WLV

QUICKLOOK CRITERIA PARAMETERS

Report Request ID: 1053207

Report Code: AMP450

Jan. 23, 2013

GEOGRAPHIC SELECTIONS															
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
	18	043	0004	42401										2010	2012

SELECTED OPTIONS		SORT ORDER	
Option Type	Option Value	Order	Column
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS	1	PARAMETER_CODE
MERGE PDF FILES	YES	2	STATE_CODE
WORKFILE DELIMITER		3	COUNTY_CODE
		4	SITE_ID
		5	POC
		6	DATES
		7	EDT_ID

APPLICABLE STANDARDS	
Standard Description	
SO2 1-hour 2010	
SO2 24-hour 1971	
SO2 3-hour 1971	
SO2 Annual 1971	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Sulfur dioxide (42401)

Indiana

Parts per billion (008)

SITE ID	P O C	FQAO	CITY	COUNTY	ADDRESS	YEAR	METH	OBS	COMP QTRS	1ST	2ND	99TH	1ST	2ND	Days	ARITH	CERT	EDT
										MAX	MAX	PCTL	MAX	MAX	>24HR	MEAN		
										1-HR	1-HR	1-HR	24-HR	24-HR	STD	AN-STD		
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD KNOB RD AT WLKY TOWER	2010	000	8378	4	118.0	89.0	72.0	17.4	13.6	0	3.64		0
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD KNOB RD AT WLKY TOWER	2011	060	8357	4	57.0	43.0	36.0	13.4	13.3	0	3.39		0
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD KNOB RD AT WLKY TOWER	2012	060	8390	4	53.0	51.0	38.0	11.0	10.5	0	3.98		0

Note: The * indicates that the mean does
not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
QUICK LOOK REPORT (AMP450)

Jan. 23, 2013

METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
42401	000	MULTIPLE METHODS	MULTIPLE METHODS
42401	060	INSTRUMENTAL	PULSED FLUORESCENT

Note: The * indicates that the mean does
not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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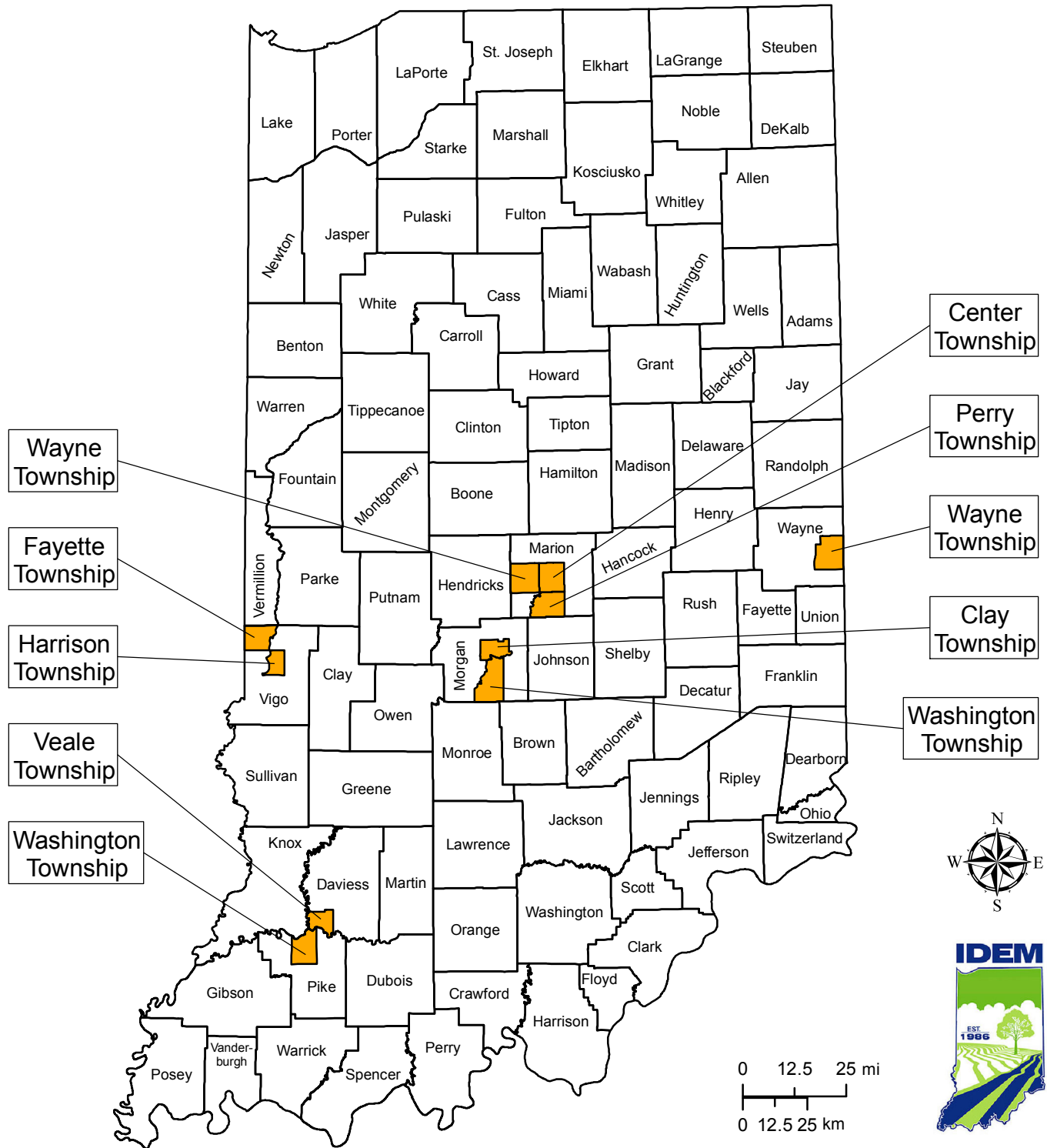
Jan. 23, 2013

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1324	Duke Energy

Note: The * indicates that the mean does
not satisfy summary criteria.

Indiana SO₂ Boundary Recommendations as of January 24, 2013



0 12.5 25 mi
0 12.5 25 km

This map is intended to serve as an aid in graphic representation only.
This information is not warranted for accuracy or other purposes.

Date: 01/25/2013
Mapped By: C. Mitchell, OAQ
Sources: Office of Air Quality.
Map Projection: UTM Zone 16 N
Map Datum: NAD83

Legend

 Proposed Nonattainment Area

 Attainment/Unclassifiable Area