



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Michael R. Pence*  
Governor

*Thomas W. Easterly*  
Commissioner

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[www.idem.IN.gov](http://www.idem.IN.gov)

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 (SO<sub>2</sub>)

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 (SO<sub>2</sub>).

Indiana's initial designation recommendations for the 2010 revised 1-Hour SO<sub>2</sub> 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 SO<sub>2</sub> monitoring data for a portion of Indiana has become available. Based on the certified 2010 through 2012 1-hour SO<sub>2</sub> 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.

S. Hedman  
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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 SO<sub>2</sub> 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 SO<sub>2</sub> 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

QUICKLOOK CRITERIA PARAMETERS

User ID: WLV

Report Request ID: 1053205

Report Code: AMP450

Jan. 23, 2013

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

GEOGRAPHIC SELECTIONS

EPA

Order	Column
1	PARAMETER_CODE
2	STATE_CODE
3	COUNTY_CODE
4	SITE_ID
5	POC
6	DATES
7	EDT_ID

Option Type	Option Value
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
MERGE PDF FILES	YES
WORKFILE DELIMITER	,

SELECTED OPTIONS

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	O	C	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	OBS	QTRS	COMP	1ST MAX 1-HR	2ND MAX 1-HR	99TH PCTL 1-HR	1ST MAX 24-HR	2ND MAX 24-HR	Days >24HR	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.

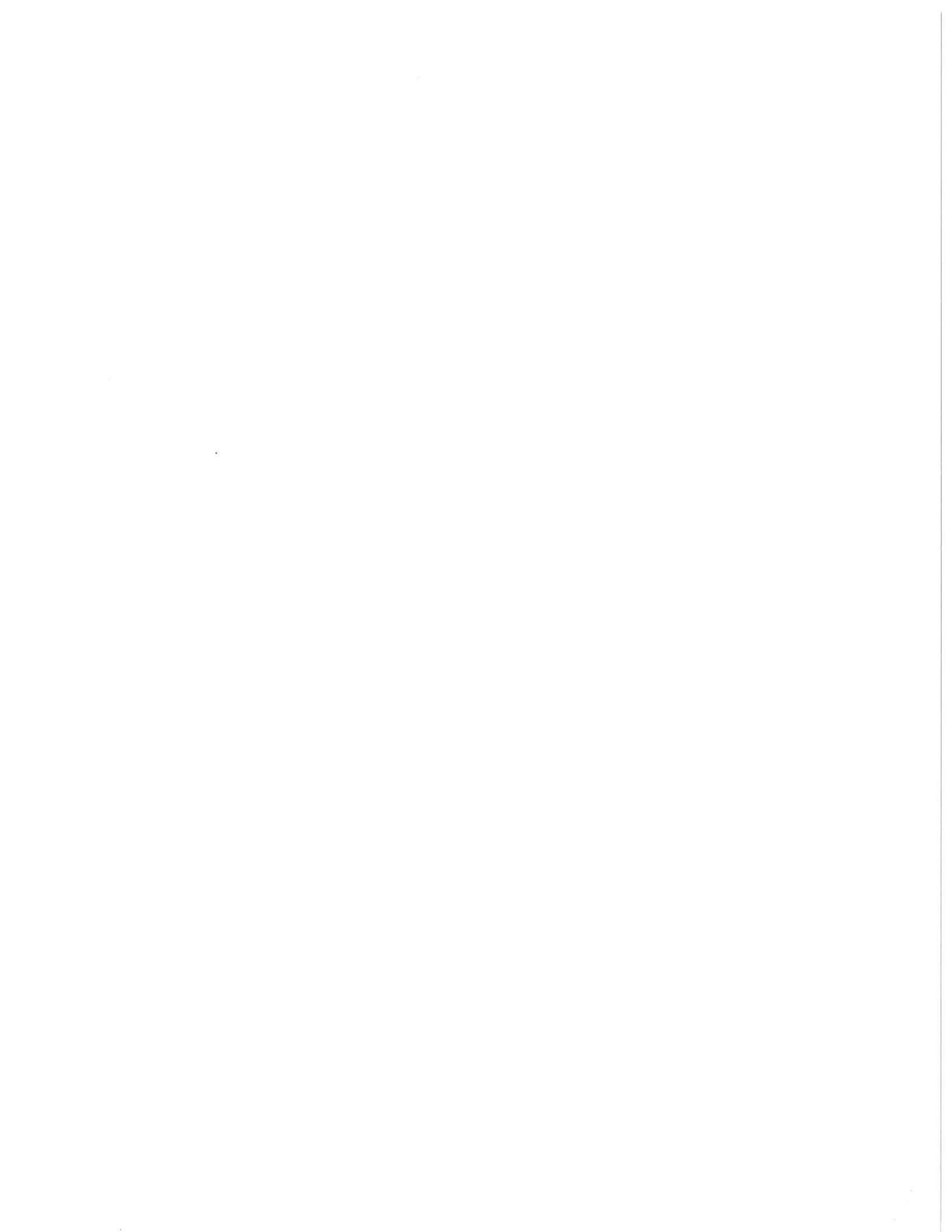
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
QUICK LOOK REPORT (AMP450)

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

QUICKLOOK CRITERIA PARAMETERS

User ID: WLV

Report Request ID: 1053207

Report Code: AMP450

Jan. 23, 2013

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

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

SELECTED OPTIONS	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

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1	EVENTS EXCLUDED
2	EVENTS INCLUDED
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 AIR QUALITY SYSTEM  
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Jan. 23, 2013

Sulfur dioxide (42401)		Indiana										Parts per billion (008)							
P	O	C	PQAO	CITY	COUNTY	ADDRESS	YEAR	METH	OBS	COMP	QTRS	1ST MAX 1-HR	2ND MAX 1-HR	99TH PCTL 1-HR	1ST MAX 24-HR	2ND MAX 24-HR	Days >24HR	ARITH MEAN	
SITE ID												24-HR	24-HR	1-HR	24-HR	STD	AN-STD	CERT	EDT
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD	2010	000	8378	4	118.0	89.0	17.4	13.6	72.0	17.4	13.6	0	3.64	0
					0.2 MILE N OF BALD														
					KNOB RD AT WLKY TOWER														
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD	2011	060	8357	4	57.0	43.0	13.4	13.3	36.0	13.4	13.3	0	3.39	0
					0.2 MILE N OF BALD														
					KNOB RD AT WLKY TOWER														
18-043-0004	1	1324	Not in a city	Floyd	0.2 MILE N OF BALD	2012	060	8390	4	53.0	51.0	11.0	10.5	38.0	11.0	10.5	0	3.98	0
					0.2 MILE N OF BALD														
					KNOB RD AT WLKY TOWER														

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

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