



ENERGY AND ENVIRONMENT CABINET  
OFFICE OF THE SECRETARY

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APR - 6 2015  
EPA's Office

 Leonard K. Peters  
Secretary

Steven L. Beshear  
Governor

500 Mero Street  
12<sup>th</sup> Floor, Capital Plaza Tower  
Frankfort, Kentucky 40601  
Phone: (502) 564-3350  
Fax: (502) 564-7484  
<http://eec.ky.gov>

March 31, 2015



Ms. Heather McTeer Toney  
Regional Administrator  
US EPA, Region 4  
Sam Nunn Atlanta Federal Center  
61 Forsyth St, SW  
Atlanta, GA 30303-8960

RE: Request for a clean data determination for the 2010 SO<sub>2</sub> NAAQS for the Campbell KY-OH SO<sub>2</sub> Nonattainment Area

Dear Ms. McTeer Toney:

The Kentucky Energy and Environment Cabinet, through its Division for Air Quality (Division), is pleased to submit this request for the U.S. Environmental Protection Agency (EPA) to determine that the Campbell KY-OH SO<sub>2</sub> Nonattainment Area has attained the 2010 primary SO<sub>2</sub> National Ambient Air Quality Standard (NAAQS). On August 5, 2013 (78 FR 47191), EPA designated the Campbell KY-OH area as nonattainment. Since then, the air quality has improved significantly and has achieved the SO<sub>2</sub> NAAQS.

On April 23, 2014, EPA finalized and published *Guidance for 1-Hour SO<sub>2</sub> Nonattainment Area SIP Submissions*, which included provisions outlining the use of EPA's Clean Data Policy to initiate area redesignations under the 2010 revised National Ambient Air Quality Standards for sulfur dioxide. The guidance specifies that three (3) consecutive years of air quality monitoring data, collected at the violating monitor, demonstrates that the area is meeting the standard. As shown in Table 1, and previously provided to EPA<sup>1</sup>, the Division's complete, quality-assured and certified ambient air monitoring data for the 2012–2014 period demonstrates that the Area has attained the 2010 primary SO<sub>2</sub> NAAQS.

**Table 1: Kentucky SO<sub>2</sub> 2012-2014 Monitored Values**

County	Monitor ID	2012	2013	2014	3-Year Design Value (ppb)
Campbell, KY	21-037-3002	85	71	61	72

<sup>1</sup> Letter to Beverly Banister, dated February 13, 2015, providing data certification, AMP600 and AMP450nc.

Ms. Heather McTeer Toney  
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March 31, 2015

Enclosed with the nonattainment area designations for the 2010 SO<sub>2</sub> NAAQS, EPA provided a Technical Support Document (TSD). Following the review and technical analysis of supporting information, EPA concluded that the Duke Energy Walter C. Beckjord facility is the primary source of SO<sub>2</sub> emissions in the area. On October 1, 2014, the Walter C. Beckjord facility ceased operations. The notification of permanent shutdown for the Walter C. Beckjord facility is enclosed.

Upon approval of this clean data determination the requirements to submit attainment demonstrations and associated reasonably available control measures (RACM), a reasonable further progress (RFP) plan, contingency measures, and other planning State Implementation Plan (SIP) revisions related to attainment of the standard shall be suspended for so long as the area continues to attain the primary SO<sub>2</sub> NAAQS. This suspension is in accordance with 40 CFR 52.298.

Your prompt attention to this letter is appreciated. If you have any questions or need additional information, please contact me at (502) 564-3350, or have your staff contact Ms. Melissa Duff, Program Planning and Administration Branch Manager for the Division, at (502) 564-3999.

Sincerely yours,



Leonard K. Peters  
Secretary

cc: Beverly Banister/R. Scott Davis  
Enclosures



Steven L. Beshear  
Governor

**Energy and Environment Cabinet  
Department for Environmental Protection**

Leonard K. Peters  
Secretary

Division for Air Quality  
200 Fair Oaks Lane, 1<sup>st</sup> Floor  
Frankfort, Kentucky 40601-1403  
air.ky.gov

February 13, 2015

Beverly Banister, Director  
Air, Pesticides and Toxics Management Division  
U.S. Environmental Protection Agency, Region 4  
Atlanta Federal Center  
61 Forsyth Street  
Atlanta, Georgia 30303

Dear Ms. Banister:

The Kentucky Division for Air Quality is respectfully submitting 2014 hourly ozone and sulfur dioxide data, as well as five-minute sulfur dioxide data, for certification. The data, for which certification is requested, is listed on the following attached AQS-generated reports:

- AMP600: hourly averaged ozone data (parameter code 44201) and sulfur dioxide data (parameter code 42401)
- AMP450nc: five-minute averaged sulfur dioxide data (parameter code 42406)

I hereby certify that the ambient concentration data and the quality assurance data are completely submitted to AQS. I also certify that, to the best of my knowledge, the ambient air concentration data are accurate, taking into account the quality assurance findings.

If there are any questions or concerns, please contact Ms. Jennifer Miller, Environmental Scientist with our Technical Services Branch, at (502) 564-3999, extension 4050.

Sincerely,

Sean Alteri,  
Director

SA/jfm  
Enclosures

Ms. Beverly Banister

February 13, 2015

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c: Darren Palmer, USEPA Region 4  
Daniel Garver, USEPA Region 4  
Keith Goff, USEPA Region 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: FNX

CERTIFICATION EVALUATION AND CONCURRENCE

Report Request ID: 1297134

Report Code: AMP600

Feb. 13, 2015

GEOGRAPHIC SELECTIONS											
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
21											

PROTOCOL SELECTIONS			
Parameter Classification	Parameter	Method	Duration
CRITERIA	44201		
CRITERIA	42401		

AGENCY SELECTIONS
Kentucky Division For Air Quality

SELECTED OPTIONS	
Option Type	Option Value
MERGE PDF FILES	YES
AGENCY ROLE	CERTIFYING

DATE CRITERIA	
Start Date	End Date
2014	2014

## Data Evaluation and Concurrence Report Summary

Feb. 13, 2015

**Certification Year:** 2014

**Certifying Agency (CA):** Kentucky Division For Air Quality (0584)

**Pollutants in Report:**

<u>Parameter Name</u>	<u>Code</u>	<u>Monitors Evaluated</u>	<u>Monitors Recommended for Concurrence by AQS</u>	<u>Monitors NOT Recommended for Concurrence by AQS</u>
Ozone	44201	22	22	0
Sulfur dioxide	42401	9	9	0

**PQAOs in Report:**

<u>PQAO Name</u>	<u>PQAO Code</u>	<u>TSA Date</u>
Kentucky Division For Air Quality	0584	06/19/12

**Summary of 'N' flags for all pollutants:**

<u>Parameter</u>	<u>AQS Recommended</u>	<u>Cert. Agency Recommended</u>	<u>Reason for AQS Recommendation</u>
<u>PQAO Code</u>	<u>AQS Site-ID</u>	<u>POC</u>	<u>Flag</u>

Signature of Monitoring Organization Representative: \_\_\_\_\_

*Sean Alteri*

## Data Evaluation and Concurrence Report for Gaseous Pollutants

**Certifying Year** 2014  
**Certifying Agency Code** Kentucky Division For Air Quality (0584)  
**Parameter** Ozone (44201) (ppm)

**PQAO Name** Kentucky Division For Air Quality (0584)  
**QAPP Approval Date** 04/21/2011

**NPAP Audit Summary:**

Number of Valid Audits	NPAP Bias	Criteria Met
7	-1.2658	Y

AQS Site ID	POC Monitor Type	Routine Data						One Point Quality Check			Annual PE		NPAP		Concur. Flag			
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria	QAPP Appr.	Aqs Rec Flag	CA Rec Flag	Epa Concur
21-013-0002	1 SPM	0.045	0.013	0.071	0	0	97	2.06	+/-1.90	94	- 2.48	100		Y	Y	Y	Y	S
21-015-0003	1 SLAMS	0.046	0.014	0.072	0	0	99	2.14	+/-1.98	100	- 1.12	100		Y	Y	Y	Y	S
21-019-0017	1 SLAMS	0.049	0.019	0.083	0	0	99	1.48	+3.94	100	- 1.62	100		Y	Y	Y	Y	S
21-029-0006	1 SLAMS	0.047	0.015	0.088	0	0	90	1.57	+2.44	94	- 3.56	100		Y	Y	Y	Y	S
21-037-3002	1 SLAMS	0.051	0.022	0.082	0	0	99	3.77	+/-4.29	94	- 2.38	100		Y	Y	Y	Y	S
21-043-0500	1 SPM	0.045	0.017	0.068	0	0	99	1.27	+/-1.00	100	- 1.67	100		Y	Y	Y	Y	S
21-047-0006	2 SLAMS	0.047	0.014	0.075	0	0	99	1.17	+/-1.13	100	- 0.84	100		Y	Y	Y	Y	S
21-059-0005	1 SLAMS	0.048	0.017	0.077	0	0	98	3.32	+4.42	100	- 1.07	100		Y	Y	Y	Y	S
21-067-0012	1 SLAMS	0.049	0.014	0.074	0	0	99	1.60	+2.62	100	- 0.90	100		Y	Y	Y	Y	S
21-089-0007	1 SLAMS	0.047	0.010	0.075	0	0	99	0.99	+1.42	100	- 0.27	100		Y	Y	Y	Y	S
21-091-0012	1 SLAMS	0.049	0.018	0.082	0	0	96	1.76	+/-1.88	100	- 1.72	100		Y	Y	Y	Y	S
21-093-0006	1 SLAMS	0.047	0.019	0.072	0	0	90	4.46	+/-4.22	94	- 2.32	100		Y	Y	Y	Y	S
21-101-0014	1 SPM	0.050	0.019	0.080	0	0	98	1.49	+3.25	100	0.37	100		Y	Y	Y	Y	S
21-113-0001	1 SLAMS	0.049	0.019	0.074	0	0	99	1.50	+3.95	100	- 2.23	100		Y	Y	Y	Y	S
21-139-0003	1 SLAMS	0.049	0.019	0.074	0	0	100	1.17	+2.08	100	- 0.86	100		Y	Y	Y	Y	S
21-145-1024	1 SLAMS	0.047	0.016	0.077	0	0	99	2.24	+/-1.50	100	- 2.08	100		Y	Y	Y	Y	S
21-185-0004	1 SLAMS	0.049	0.021	0.083	0	0	99	3.39	-3.43	100	- 0.61	100		Y	Y	Y	Y	S
21-193-0003	1 SPM	0.043	0.014	0.067	0	0	100	1.40	+3.33	100	- 1.72	100	- 4.17	Y	Y	Y	Y	S
21-195-0002	1 SPM	0.044	0.014	0.084	0	0	99	0.79	+2.90	100	- 1.32	100	- 2.86	Y	Y	Y	Y	S
21-199-0003	1 SPM	0.047	0.016	0.074	0	0	99	1.30	+1.78	100	0.78	100		Y	Y	Y	Y	S
21-213-0004	1 SPM	0.047	0.013	0.074	0	0	99	2.23	+/-2.05	88	- 2.38	100	- 3.77	Y	Y	Y	Y	S
21-227-0009	1 SLAMS	0.048	0.016	0.075	0	0	98	2.46	+/-2.15	94	- 1.17	100	3.77	Y	Y	Y	Y	S

## Data Evaluation and Concurrence Report for Gaseous Pollutants

**Certifying Year** 2014  
**Certifying Agency Code** Kentucky Division For Air Quality (0584)  
**Parameter** Sulfur dioxide (42401) (ppb)

**PQAO Name** Kentucky Division For Air Quality (0584)  
**QAPP Approval Date** 04/21/2011

**NPAP Audit Summary:**

Number of Valid Audits	NPAP Bias	Criteria Met
2	-5.0725	Y

AQS Site ID	POC Monitor Type	Routine Data					One Point Quality Check			Annual PE		NPAP		Concur. Flag			
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria	QAPP Appr.	Aqs Rec Flag	CA Rec Flag
21-019-0017	1 SLAMS	0.5	0.0	51.0		0	99	1.86	-3.89	100	- 0.89	100	Y	Y	Y	Y	S
21-037-3002	1 SLAMS	1.5	0.0	93.0		0	99	2.19	-3.43	100	- 2.36	100	Y	Y	Y	Y	S
21-047-0006	2 SPM	0.6	0.0	31.0		0	99	4.49	+4.48	85	6.83	100	Y	Y	Y	Y	S
21-059-0005	1 SLAMS	1.6	0.0	65.0		0	99	4.05	+/-3.18	100	3.34	100	Y	Y	Y	Y	S
21-067-0012	1 SLAMS	0.3	0.0	28.0		0	99	2.13	-2.49	100	- 0.32	100	Y	Y	Y	Y	S
21-089-0007	1 SPM	0.6	0.0	23.0		0	99	2.05	+1.99	100	1.10	100	Y	Y	Y	Y	S
21-101-0014	1 SLAMS	0.9	0.0	38.0		0	99	0.87	-1.34	100	2.29	100	Y	Y	Y	Y	S
21-113-0001	1 SPM	0.4	0.0	19.0		0	99	2.13	-4.35	100	3.27	100	Y	Y	Y	Y	S
21-145-1024	1 SLAMS	0.4	0.0	38.0		0	98	4.54	-4.59	96	- 0.36	100	Y	Y	Y	Y	S



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: FNX

QUICKLOOK ALL PARAMETERS

Report Request ID: 1297136

Report Code: AMP450NC

Feb. 13, 2015

GEOGRAPHIC SELECTIONS											
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
21											

PROTOCOL SELECTIONS			
Parameter Classification	Parameter	Method	Duration
ALL	42406		

SELECTED OPTIONS	
Option Type	Option Value
MERGE PDF FILES	YES
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
AGENCY ROLE	PQAO

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

SCR GROUP SELECTIONS
Kentucky

DATE CRITERIA	
Start Date	End Date
2014	2014

APPLICABLE STANDARDS
Standard Description

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

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EXCEPTIONAL DATA TYPES

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 13, 2015

Parameter	Unit	P O C	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Cert & Duration	Eval	g C H
Site ID: 21-019-0017	City: Ashland													
				County: Boyd										
							Address: FIVCO HEALTH DEPARTMENT, 2924 HOLT STREET							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8690	76.0	52.0	42.0	40.0	.79	1 HOUR	0	
Site ID: 21-037-3002	City: Highland Heights													
				County: Campbell										
							Address: 524A JOHN'S HILL ROAD							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8673	218.0	163.0	140.0	125.0	2.30	1 HOUR	0	
Site ID: 21-047-0006	City: Not in a city													
				County: Christian										
							Address: WILLIAMSON RESIDENCE, 10800 PILOT ROCK ROAD							
42406 SO2 max 5-min avg	Parts per billion	2	0584	2014	100	7240	36.0	31.0	29.0	27.0	.85	1 HOUR	0	
Site ID: 21-059-0005	City: Not in a city													
				County: Daviess										
							Address: 716 PLEASANT VALLEY ROAD							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8703	133.0	124.0	121.0	101.0	2.95	1 HOUR	0	
Site ID: 21-067-0012	City: Lexington-Fayette													
				County: Fayette										
							Address: FAYETTE COUNTY HEALTH DEPT, 650 NEWTOWN PIKE							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8714	35.0	22.0	22.0	21.0	.52	1 HOUR	0	
Site ID: 21-089-0007	City: Worthington													
				County: Greenup										
							Address: SCOTT STREET & CENTER AVENUE							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8694	31.0	30.0	22.0	22.0	.88	1 HOUR	0	
Site ID: 21-101-0014	City: Not in a city													
				County: Henderson										
							Address: BASKETT FIRE DEPARTMENT, 7492 DR. HODGE ROAD							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8694	66.0	60.0	59.0	57.0	1.71	1 HOUR	0	
Site ID: 21-113-0001	City: Nicholasville													
				County: Jessamine										
							Address: KYTC MAINTENANCE GARAGE, 260 WILSON DRIVE							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8710	32.0	19.0	19.0	17.0	.55	1 HOUR	0	
Site ID: 21-145-1024	City: Paducah													
				County: McCracken										
							Address: JACKSON PURCHASE RECC, 2901 POWELL STREET							
42406 SO2 max 5-min avg	Parts per billion	1	0584	2014	100	8588	46.0	40.0	38.0	34.0	.70	1 HOUR	0	

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 13, 2015

METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
42406	100	INSTRUMENTAL	ULTRAVIOLET FLUORESCENCE

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 13, 2015

PQAOS USED IN THIS REPORT

PQAO	AGENCY DESCRIPTION
0584	Kentucky Division For Air Quality

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 13, 2015

CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

FLAG	MEANING
M	The monitoring organization has revised data from this monitor since the most recent certification letter received from the state.
N	The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report.
S	The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag.
U	Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor.
X	Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value
Y	The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations).

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



Duke Energy Ohio, Inc.  
139 E. 4<sup>th</sup> Street  
Cincinnati, OH 45202

October 14, 2014

Mr. Bradley M. Miller  
Southwest Ohio Air Quality Agency  
250 William Howard Taft Drive  
Cincinnati, Ohio 45219

RE: Duke Energy Ohio, Inc., W.C. Beckjord Station  
Facility ID No.: 1413100008  
Emissions Units: B001, B002, B003, B004, B005, and B006

Dear Mr. Miller:

This letter is to inform you that, as of October 1, 2014, the six coal-fired emissions units at W.C. Beckjord Station (B001, B002, B003, B004, B005, and B006) are permanently shut down and removed from service. It is the understanding of Duke Energy Ohio, Inc. that authorization to operate the affected units has ceased as of October 1, 2014 and the permittee shall not be required to meet any Title V permit requirements applicable to these emissions units, except for any residual requirements, such as the quarterly deviation reports and annual compliance certification covering the period during which the emissions units last operated.

Please call Andrew Roebel at 513-287-2356 if you should have any questions regarding this information.

Based on information and belief formed after reasonable inquiry, I certify that all factual statements in this transmittal are true, accurate and complete to the best of my knowledge.

Very truly yours,

A handwritten signature in cursive script that reads "Michael Sharp".

Michael Sharp  
GM III – NonReg Fossil Station